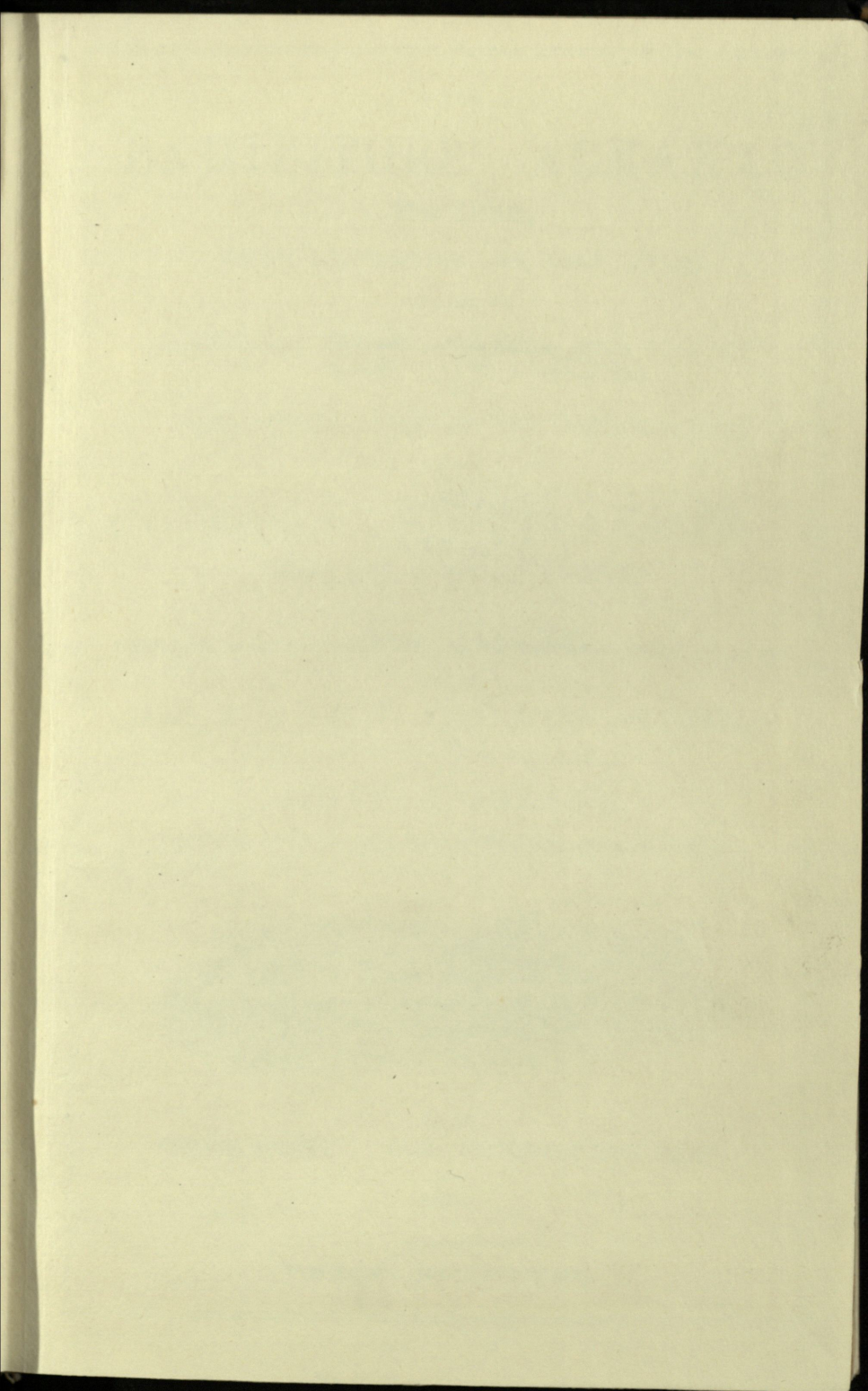


EX 1857.1557

600.A.23









~~400. A. 23~~

~~AT~~

Almanac

EX. 1857. 157

THE  
EXHIBITORS' ALMANAC

For 1852,

BEING DISSEXTILE, OR LEAP YEAR;

CONTAINING THE

CALENDAR; MOON'S CHANGES; AND ECLIPSES;

AN

ALPHABETICAL LIST OF THE PRIZEHOLDERS

OF THE

GREAT EXHIBITION,

Giving their Names and Localities,

A

DESCRIPTION OF THE ARTICLES FOR WHICH PRIZES WERE AWARDED,

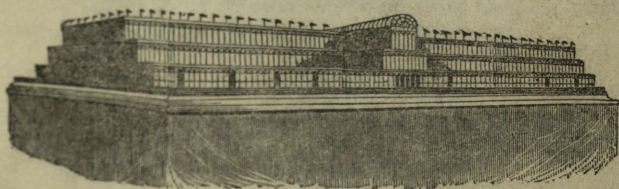
AND THE

CLASSES IN WHICH THEY WERE EXHIBITED;

THE WHOLE FORMING A COMPLETE AND PERFECT RECORD OF THE

CRYSTAL PALACE.

Together with a Mass of Useful Information, and the Ordinary Contents of an Almanac.



LONDON:  
SIMPKIN, MARSHALL, AND Co., STATIONERS' HALL COURT.

1852.

PRICE SIX PENCE.



76-11-1



h  
2 95

THE  
EXHIBITORS, ALMANAC  
FOR 1853  
PRINTED BY JACKSON AND COOPER,  
190, HIGH HOLBORN.  
GREAT EXHIBITION  
OF THE  
ARTS AND MANUFACTURES  
OF THE  
GREAT BRITAIN AND IRELAND

LONDON

PRINTED BY JACKSON AND COOPER,  
190, HIGH HOLBORN.

CRYSTAL PALACE

SMITH, MARSHALL, AND CO. STATIONERS, DAILY COURIER

1853

PRICE SIX PENCE

## THE EXHIBITORS' ALMANAC, &c.

THE Compiler of the following pages is fully sensible of the necessity of apologizing for the imperfections the Almanac and the Alphabetical Lists may be found to contain. The sources, whence the information has been derived, were, from their magnitude, naturally liable to errors: thus the Official Catalogues, numbering more than a million of articles, could not be expected to be free from mistakes; and the Gazetted lists of more than three thousand names of the recipients of Medals and other Rewards, produced and printed within a week after the close of the Great Exhibition, were, in a minor degree, subject to the same casualty. The Compiler undertook the very laborious work of reducing the various elements at his disposal into a compact form and alphabetical order, so as to render the valuable information, spread over a large number of costly publications, at once easy of reference, and at a price within the means of all classes who were interested in the Industrial Congress of All Nations; and with the impression that their Name is Legion, he launches his "labour of love" to that success and popularity which it may be found to deserve, merely premising, that, where "England" and an address are given, "London" is to be understood; that he shall be happy to receive any corrections and improvements, for future editions of his work, should they be called for; and that the same opportunity will be taken for rectifying any typographical errors which may disfigure his pages.

London, 190, High Holborn,

January 1, 1852.



# THE EXHIBITORS' ALMANAC.

## SOVEREIGNS OF EUROPE, THEIR ACCESSION, &c.

Kingdoms, &c.	To whom subject.	When born	Began to reign.
England, &c. ....	VICTORIA .....	May 24, 1819	June 20, 1837
France, &c. ....	Republic .....	1848	
Russia .....	Nicholas . (o. s.) .....	July 7, 1796	Dec. 1, 1825
Spain .....	Isabella II. ....	Oct. 10, 1830	Sept. 29, 1833
Portugal .....	Maria da Gloria .....	April 4, 1819	May 2, 1826
Prussia .....	Frederic William IV. ....	Nov. 15, 1795	June 7, 1840
Netherlands .....	William III. ....	Feb. 19, 1817	March 1849
Belgium .....	Leopold .....	Dec. 16, 1790	July 21, 1831
Denmark .....	Christian VIII. ....	Sept. 18, 1786	Dec. 3, 1839
Sweden & Norway .....	Oscar .....	July 4, 1799	March 8, 1844
Austria .....	Francis Joseph. ....	Aug. 11, 1830	Dec. 2, 1848
Popedom .....	Pius IX. ....	May 13, 1792	June 16, 1846
Sardinia .....	Victor Emanuel .....	Mar. 14, 1820	Mar. 27, 1849
Naples and Sicily .....	Ferdinand II. ....	Jan. 12, 1810	Nov. 8, 1830
Turkey .....	Abdul Medjid .....	May 6, 1822	July 1, 1839
Hanover .....	George .....	May 27, 1819	Nov. 18, 1850
Greece .....	Otho .....	June 1, 1815	Feb. 6, 1832

## LIST OF THE QUEEN'S MINISTERS.

First Lord of the Treasury .. .. .	Lord John Russell
Chancellor of the Exchequer .. .. .	Rt. Hon. Sir Charles Wood, Bart.
Lord Chancellor .. .. .	Lord Truro
President of the Council .. .. .	Marquis of Lansdowne
Lord Privy Seal .. .. .	Earl of Minto
Secretary of State for the Home Department .. .. .	Rt. Hon. Sir G. Grey, Bart.
Secretary of State for the Foreign .. .. .	Earl Granville
Secretary of State for the Colonial .. .. .	Earl Grey
First Lord of the Admiralty .. .. .	Sir P. T. Baring, Bart.
President of the Board of Controul .. .. .	Lord Broughton
Chancellor of the Duchy of Lancaster .. .. .	Earl of Carlisle
Postmaster General .. .. .	Marquis of Clanricarde
President of the Board of Trade .. .. .	Rt. Hon. H. Labouchere
Secretary at War .. .. .	Rt. Hon. Fox Maule

The above form the CABINET.

Commander in Chief of the forces .. .. .	Duke of Wellington
Chief Commissioner of Woods and Forests .. .. .	Lord Seymour
Master General of the Ordnance .. .. .	Marquis of Anglesea
Master of the Mint .. .. .	Sir John F. W. Herschell Bart.
Paymaster of the Forces .. .. .	
Vice President of the Board of Trade .. .. .	
Judge Advocate General .. .. .	Rt. Hon. Sir David Dundas
Attorney General .. .. .	Sir A. J. E. Cockburn
Solicitor General .. .. .	Sir W. Page Wood
Lord Advocate of Scotland .. .. .	James Moncrief, Esq.
Solicitor General for Scotland .. .. .	George Deas Esq.

## THE MINISTRY OF IRELAND.

Lord Lieutenant .. .. .	Earl of Clarendon
Lord Chancellor .. .. .	Rt. Hon. Maziere Brady
Chief Secretary .. .. .	Rt. Hon. Sir W. Somerville
Commander of the Forces .. .. .	Rt. Hon. Sir E. Blakeney
Attorney General .. .. .	J. Hatchell, Esq.
Solicitor General .. .. .	H. G. Hughes Esq.

## OFFICERS OF STATE.

Earl Marshal and Master of the Horse .. .. .	Duke of Norfolk
Lord Great Chamberlain .. .. .	Lord Willoughby D'Eresby
Lord Chamberlain .. .. .	Marquis of Bredalbane
Lord Steward of the Household .. .. .	Marquis of Westminster
Mistress of the Robes .. .. .	Duchess of Sutherland
Vice Chamberlain .. .. .	Lord Edward Howard
Master of the Buckhounds .. .. .	Earl of Besborough
Comptroller of the Household .. .. .	Earl of Mulgrave
Chief Equerry and Clerk Marshal .. .. .	Lord Alfred Paget
Treasurer of the Household .. .. .	Lord Marcus Hill



# THE EXHIBITORS' ALMANAC.

## LAW OFFICERS, JUDGES, &c.

Lord High Chancellor	Lord Truro.
Master of the Rolls ...	Rt. Hon. Sir J. Romilly.
Lords Justice of Court	Rt. Hon. Sir J. L. Knight
of Appeal ...	Bruce.
	Lord Cranworth.
Vice-Chancellors ...	Rt. Hon. Sir George T.
	Turner.
	Rt. Hon. Richard T.
	Kindersley.
	Rt. Hon. James Parker.
	Rt. Hon. Lord Campbell,
	Chief.
Judges of the Queen's	Sir J. T. Coleridge.
Bench ...	Sir Wm. Wightman.
	Sir William Erle.
	Rt. Hon. Sir John Jervis,
	Chief.
Judges of the Common	Sir W. H. Maule.
Pleas ...	Sir Creswell Creswell.
	Sir E. V. Williams.
	Sir T. N. Talfourd.
	Rt. Hon. Sir F. T. Pollock,
	Chief.
Judges of the Exche-	Sir James Parke.
quer ...	Sir E. H. Alderson.
	Sir T. J. Platt.
	Sir Samuel Martin.

## BANKRUPTCY COURT.

Vice-Chancellor in } Bankruptcy ...	Rt. Hon. Sir G. T. Turner.
Commissrs. of Bank-	Joshua Evans.
ruptcy in London ...	J. S. M. Fonblanque.
	R. G. C. Fane.
	E. Holroyd.
	Mr. Serjeant Goulburn.
Commissrs. of Bank-	John Balguy.
ruptcy in Birmingham	Edward R. Daniell.
Commissrs. of Bank-	Hen. J. Stephen.
ruptcy in Bristol ...	M. D. Hill.
Commissr. of Bank-	Montague Baker Bere.
ruptcy in Exeter }	
Commissrs. of Bank-	H. J. Perry.
ruptcy in Liverpool	Richard Stevenson.
Commissrs. of Bank-	W. S. Ayerton.
ruptcy in Leeds ...	M. J. West.
Commissrs. of Bank-	W. Skirrow,
ruptcy in Manchester	W. Thomas Jemmet.
Commissr. of Bank-	
ruptcy in New-	Nathaniel Ellison.
castle-on-Tyne ...)	

## INSOLVENT DEBTORS' COURT.

Commissioners of In-	(H. R. Reynolds, <i>Chief</i> .)
solvent's Court ...	C. Phillips.
Provisional Assignee	W. J. Law.
	S. Sturges.

## ADMIRALTY COURT.

Judge of the Admiralty	Rt. Hon. S. Lushington.
Queen's Advocate-Gen.	Sir John Dodson.
Admiralty Advocate ...	J. Phillimore.

## ECCLESIASTICAL COURTS.

### VICAR GENERAL'S OFFICE.

Vicar-General ...	Sir John Dodson.
-------------------	------------------

### COURT OF ARCHES.

Official Principal ...	{ Rt. Hon. Sir H. Jenner
	{ Fust.
Registrar ...	William Townsend.

### PREROGATIVE COURT.

Master ...	{ Rt. Hon. Sir H. Jenner
	{ Fust.

### FACULTY OFFICE.

Master ...	Sir John Dodson.
------------	------------------

### CONSISTORY COURT.

Judge ...	Rt. Hon. S. Lushington.
-----------	-------------------------

## BRITISH AMBASSADORS, &c., ABROAD.

America ...	Rt. Hon. Sir H. L. Bulwer.
Austria ...	Earl of Westmoreland.
Bavaria ...	Sir J. R. Milbanke, Bart.
Belgium ...	Lord Howard de Walden.
Brazil ...	Henry Southern, Esq.
Buenos Ayres	Capt. Hon. R. Gore, R.N.
Denmark ...	Rt. Hon. Sir H. W. W. Wynn.
France ...	Marquis of Normanby.
German Con-	
federation ...	Lord Cowley.
Greece ...	Rt. Hon. Thos. Wyse.
Hamburgh ...	Lieut. Col. G. L. Hodges.
Hanover ...	Hon. John Duncan Bligh.
Mexico ...	Charles Bankhead, Esq.
Monte Video	Hon. Fr. Bruce.
Naples ...	Hon. Sir Wm. Temple.
Netherlands	Sir Edw. C. Disbrowe.
New Grenada	Daniel F. O'Leary, Esq.
Persia ...	Lieut.-Col. Justin Sheil.
Peru ...	William Pitt Adams, Esq.
Portugal ...	Rt. Hon. Sir Rd. Pakenham.
Prussia ...	Lord Bloomfield.
Russia ...	Sir George H. Seymour.
Sardinia ...	Hon. Sir R. Abercrombie.
Saxony ...	Hon. Fr. R. Forbes.
Spain ...	Lord Howden.
Sweden ...	Sir Edmund Lyons, Bart.
Switzerland	Dougal Christie, Esq.
Turkey ...	Rt. Hon. Sir S. Canning.
Tuscany ...	James Hudson, Esq.
Venezuela ...	B. H. Wilson, Esq.
Wurtemberg	Sir Alex. Malet, Bart.

## FOREIGN AMBASSADORS, &c. IN ENGLAND.

America ...	Hon. Abbott Lawrence.
Austria ...	Count Buol Schauenstein.
Bavaria ...	Baron de Cetto.
Belgium ...	M. Van de Weyer.
Brazil ...	M. de Lisboa.
Costa Rica ...	Don F. Molina.
Denmark ...	
France ...	Count Walewski.
Greece ...	M. Tricoupi.
Hanover ...	Count Kielmansegge.
Mexico ...	Don J. M. Mendoza.
Netherlands	Baron Bentinck.
Peru ...	Don Francisco de Rivero.
Portugal ...	Chev. M. J. Ribeiro.
Prussia ...	Chev. Bunsen.
Russia ...	Baron Brunnow.
Sardinia ...	Marquis d'Azeglio.
Saxony ...	M. Payno.
Spain ...	M. Isturiz.
Sweden ...	Baron Rehausen.
Turkey ...	M. Musurus.
Two Sicilies	Prince Castelricala.



# THE EXHIBITORS' ALMANAC.

D. W.	D. M.	D. Y.	First Month.]	JANUARY.	[31 days.
Th	1	1	Circumcision. Union of England & Ire-		
F	2	2	Burke b, 1730.		[land, 1801.
S	3	3			
S	4	4	Second Sunday after Christmas.		
M	5	5			[Moon (visible.)
T	6	6	Epiphany. Twelfth Day.	Total Eclipse of	
W	7	7	Full Moon, 6h. 9m. a.m.	Penny Postage	
Th	8	8	St. Lucian.		[es. 1840.
F	9	9	Royal Exchange burnt, 1833.		
S	10	10			
S	11	11	First Sunday after Epiph. Hilary T. beg.		
M	12	12	Plough Monday.		
T	13	13	Cambridge Lent Term begins.		
W	14	14	Oxford Lent Term b.	Moon's last quar.,	
Th	15	15		[1 h. 18 m. 10s. a.m.	
F	16	16			
S	17	17	Battle of Corunna, 1809.		
S	18	18	Second Sunday after Epiphany.		
M	19	19			
T	20	20	Partial Eclipse of the Sun (invisible).		
W	21	21	New Moon, 7h. 26m. 8s. a.m.	American	
Th	22	22		[Independ. declared, 1783.	
F	23	23	Duke of Kent d., 1820.		
S	24	24			
S	25	25	Third Sunday after Epiphany.		
M	26	26	Sunday Schools established, 1784.		
T	27	27			
W	28	28	[d., 1820. Moon's first quar. 10h. 34m. a.m.		
Th	29	29	King Henry VIII. d., 1596.	George III.	
F	30	30	King Charles I. beheaded, 1649.		
S	31	31	Hilary Term ends.		

## PRINCIPAL ARTICLES OF THE CALENDAR.

Golden Number ..	10
Epact ..	9
Solar Cycle ..	13
Dominical Letters ..	D.C.
Roman Indiction ..	10
Julian Period ..	6565

The year 5613 of the Jewish era commences Oct. 14. The Jewish Passover commences.

The Ramadan (Month of Abstinence observed by the Turks) commences, June 19.

The year 1269 of the Mahomedan Era, commences, Oct. 15.

## ECLIPSE.

The only eclipse visible in England is that of the Moon on the 6th January, or more properly on the morning of the 7th. It is total, and its phases are as follows—

First contact with the penumbra, 20 m. past 3. First contact with the shadow, 20m. past 4. Disappearance, 20 m. past 5. Middle of the eclipse, 10 m. past 6. Reappearance, 59m. past 6. Last contact with the shadow, 59m. past 7. Last contact with the penumbra, 59m. past 8.

## THE GREAT EXHIBITION.

A FEW details are necessary for the proper understanding of the grounds on which the awards of the Prize and Council Medals were made, and the running commentary appended to the Almanac, it is believed will be found at once useful and sufficient for the purpose. The Council of Chairmen were guided in their determinations by a minute of the Royal Commission to the following effect:—‘With reference to the awards of the Council Medal, the Commissioners think it proper to recapitulate the terms of those Decisions, and to explain with somewhat greater minuteness the exact meaning which they intended to attach to them.’ The 107th of the published Decisions of the Commissioners is as follows:—‘It is the intention of the Commissioners to reward excellence in whatever form it is presented, and not to give inducements to the distinctions of a merely individual competition. Although the Commissioners have determined on having three Medals of different sizes and designs, they do not propose to instruct the Juries to award them as first, second, and third in degree for the same class of subjects. They do not wish to trammel the Juries by any precise limitation; but they consider that the Juries will rather view the three kinds of Medals as a means of appreciating and distinguishing the respective characters of the subjects to be rewarded, and not of making distinctive marks in the same Class of Articles exhibited.’ And the 21st Article of the Decisions regarding Juries is this:—‘The three classes of Medals are intended to distinguish the respective characters of subjects, and not as first, second, and third in degree for the same class of subjects.’ The important feature in these Decisions, and that which distinguishes the mode of granting Medals on the present occasion from that usually adopted in the Exhibitions in Foreign Countries, is the announcement that the Medals are not to be awarded ‘as first, second, or third in degree for the same class of subjects.’ It is obvious, therefore, that in the case of manufactured Articles, mere excellence of manufacture, being in other words a mere difference in degree between subjects included in the same class, cannot be rewarded with a Council Medal without a deviation from the principle of this decision. If, however, there is any novelty of invention or adaptation, or any peculiarity in the mode of manu-



# THE EXHIBITORS' ALMANAC.

			2nd Month.]	FEBRUARY.	[29 Days.
D	D.M.	D. Y.			
S	1	32	Fourth Sund. aft. Epiph. Partridge & pheas.		
M	2	33	Purification. Candlemas Day. [shooting e.		
T	3	34	St. Blaise.		
W	4	35			
Th	5	36	Full Moon, 6h. 32m. 8s. p.m.		
F	6	37	King Charles II. d. 1685.		
S	7	38	Queen Mary b. 1515.		
S	8	39	Septuagesima Sund. Mary Q. of Scots be-		
M	9	40	Union of the Canadas. [headed, 1587.		
T	10	41	Queen Victoria married Prince Albert, 1840.		
W	11	42			
Th	12	43	Moon's last quarter, 10h. 2m. 5s. a.m.		
F	13	44			
S	14	45	Saint Valentine's Day. Old Candlemas Day.		
S	15	46	Sexagesima Sunday.		
M	16	47			
T	17	48			
W	18	49	Luther d., 1564.		
Th	19	50			
F	20	51	New Moon, 54m. 2s. a.m.		
S	21	52	Battle of Goojerat, 1849.		
S	22	53	Quinquagesima Sunday.		
M	23	54			
T	24	55	Shrove Tuesday. St. Matthias.		
W	25	56	Ash Wednesday.		
Th	26	57			
F	27	58	Hare-hunting ends.		
S	28	59	Moon's First Quarter, 5h. 31m. 4s. a.m.		
S	29	60	Quadragesima Sunday. First Sund. in Lent.		

				POPULATION.			
				HOUSES.			
				Uninhab.	Uninhab.	Building.	Persons.
							Males.
							Females.
Encl. & Wales	3,276,975			152,570		26,529	17,905,831
Scotland	376,650			11,956		2,378	2,870,784
Islands in the British Seas	21,826			1,077		202	142,916
The population of Great Britain and the Islands of the British Seas (excluding Ireland) was, in 1841, 18,655,981; in 1851, 20,919,931. Showing an increase in the ten years ending 31st March, 1851, of 2,263,950.							
The returns from the mighty Metropolis (included in the above) were—Houses, inhabited, 367,722; uninhabited, 16,889; building, 4,917. Persons—Males, 1,103,730; females, 1,267,910; total persons, 2,361,640; showing an increase since 1841, of persons, 413,271; houses, 51,330. POPULATION OF IRELAND—6,515,794.							
							66,511
							76,405

CENSUS OF 1851.

facture, which can also be taken into account, and of which the importance and value shall be judged sufficient, the Council Medal may properly be given. Thus, for example, if a piece of Linen be exhibited of such remarkable excellence as to be at once and by unanimous consent recognized as greatly superior to any other piece of Linen in the whole Exhibition, yet if the ordinary processes only have been employed in its production, and if it be not distinguished by any originality in the design applied to it, it ought not to have a Council Medal, however great may have been the care and labour bestowed upon it. But if, on the other hand, a piece of Linen of very decided excellence should be produced by a new method, exhibiting advantages not hitherto attained, it would be quite within the spirit of the decision in question that such method should be rewarded with a Council Medal. Or again, if a sample of Sugar of extraordinary fineness should be exhibited, if such fineness were the result only of the application of the ordinary processes, with more than ordinary care and skill, it ought not to have the Council Medal; but if a new chemical agent or a new process had been employed with advantage in its production, the process by which it was produced, if sufficiently important, would be eligible to receive it. It is not, however, intended to limit the granting of the Council Medal to cases of production by a new process; such a rule would, of course, not apply where the question of Fine Art was involved. In judging of works of pure art, the Medal will, of course, be given to those cases where the most remarkable and pre-eminent genius has been displayed; and in cases where design is applied to an article of Manufacture, it may sometimes happen that it will be of sufficient originality and importance to justify the grant of a Council Medal as an acknowledgment of the taste displayed. Thus, for instance, a piece of Porcelain or a piece of Tapestry, though they could not receive the Council Medal for the mere excellence of the workmanship, might properly receive it for a very extraordinary and original merit of the design applied to them. And, in like manner, though a Council Medal ought not to be given to a piece of Furniture, of which the principal merit was that it was well made, it might be awarded to it if there was so much beauty in the design as to entitle it to great distinction as a Work of Art. The Commissioners must, however, limit themselves by observing that they would not recognize beauty of design as a sufficient title to a Council Medal, unless applied to an object of some importance. Very great merit might be found in the carving of an umbrella or a pipe, yet it might be thought improper to reward such merit with a Council Medal, on account of the comparative insignificance of the subject. This last observation naturally leads the Com-



# THE EXHIBITORS' ALMANAC.

D.W	D.M.	D. Y.	3rd Month.]	MARCH.	[31 Days.
M	1	61	St. David's Day.		
T	2	62			
W	3	63			
Th	4	64			
F	5	65			
S	6	66	Full Moon, 5h. 29m. 9s. a.m.		
S	7	67	Second Sunday in Lent.		
M	8	68	King William III. d., 1702.		
T	9	69			
W	10	70			
Th	11	71	Sir Benjamin West d., 1820.		
F	12	72	Moon's last quarter, 8h. 29m. 3s. p.m.		
S	13	73	Georgium Sidus discovered, 1781.		
S	14	74	Third Sunday in Lent.		
M	15	75	General Jackson b., 1767.		
T	16	76			
W	17	77	St. Patrick's Day.		
Th	18	78	Princess Louisa Caroline Alberta b., 1848.		
F	19	79			
S	20	80	New Moon, 6h. 42m. 6s. p.m. Spring quar.		
S	21	81	Fourth Sund. in Lent. [b. 10h. 42m. a.m.		
M	22	82			
T	23	83			
W	24	84	Queen Elizabeth d., 1603.		
Th	25	85	Lady Day.		
F	26	86	Duke of Cambridge b., 1819.		
S	27	87			
S	28	88	Moon's first quarter, 8h. 49m. 7s. p.m. Fifth		
M	29	89	[Sunday in Lent.		
T	30	90			
W	31	91			

**RATES OF POSTAGE.**  
 All Letters from one part of Great Britain to another are charged, for half-an-ounce, 1d. Exceeding Not exceeding  
 1-oz. ... 1-oz. 2d.  
 1-oz. ... 2-oz. 4d.  
 2-oz. ... 3-oz. 6d.  
 And so on, at the rate of 2d. for every additional ounce, or fraction of an ounce.  
 Unpaid letters are charged double postage on delivery.  
 The Receiving-houses close at 5 33 P.M. ; but letters are received for the evening's dispatch until 6 P.M., with extra penny stamp affixed. The Branch Offices at Charing-cross, Old Cavendish-street, and Blackman-street, Southwark, receive letters until 6 P.M., and until 7 P.M., by affixing an additional stamp.  
 Letters for the morning mails must be at the General Post-Office before half-past eight o'clock.  
 The EXHIBITORS' ALMANAC, or any single Book or Pamphlet can be sent through the Post-office to any part of the United Kingdom, if not exceeding 16 oz. in weight, and open at both ends, by affixing six Postage Stamps; if above 16 oz., 1s. ; and 6d. for every additional pound or fraction of a pound.

missioners to offer some remarks upon another point on which it is possible that doubts may arise ; namely, whether the fact of an Exhibitor having incurred great expense in the preparation of an Article for exhibition should entitle him to a Council Medal : as, for instance, in the case of the Exhibitors of valuable Raw products, of specimens of Manufactured Goods remarkable only for the size of the specimens, of very precious Jewels, or of collections of the productions of particular districts. In these cases the Commissioners are decidedly of opinion that the mere fact of a large outlay of money ought not to be regarded as entitling an Exhibitor to receive a Council Medal, though care should, of course, be taken, that his zealous co-operation in promoting the objects of the Exhibition be properly noticed in the Report of a Jury of his Class. In the foregoing remarks the Commissioners have repeatedly spoken of rewarding inventions and new processes. They think it right, therefore, to guard themselves against being supposed to throw upon the Juries the duty of discovering whether each particular object which they mark for reward is actually the invention of the party claiming the merit of it. They can conceive that, in many cases, such an investigation would, under the circumstances, be impossible. In Machinery, particularly, they presume that the Juries will reward an important machine without undertaking to pronounce whether the novelties exhibited in its construction have been originated by the Exhibitor, or have been borrowed or adapted by him from some one else. The test of invention will be satisfied if the Machine be rewarded for its importance and ingenuity, and not for the mere excellence of workmanship. As the Commissioners have referred to the claims of invention, it would appear to be desirable to fix some date beyond which invention should cease to be a claim for the Council Medal. It has not been made a condition in the admission of Articles to the Exhibition that they should be new ; but it would be obviously difficult and inexpedient to discuss claims of invention made many years since. It appears to the Commissioners that, as most European States consider from fourteen to fifteen years a proper period for limiting by patents the use of an invention to the discoverer before it becomes the property of the public, this period would form a limit, beyond which the claims of invention should not be admitted. In communicating these remarks to the Council of Chairmen, the Royal Commissioners must again repeat that they are only anxious to obviate the danger of their published Decisions being misunderstood. The responsibility of giving effect to those Decisions must rest with the Council of Chairmen, in whom the control of the separate Juries, and more particularly the duty



# THE EXHIBITORS' ALMANAC.

D. W.	D. M.	D. Y.	4th Month.]	APRIL.	[30 days.
Th	1	92	All Fool's Day.		
F	2	93	Cambridge Lent Term ends.		
S	3	94	Oxford Lent Term ends.		
S	4	95	Palm Sunday. Full Moon, 2h. 23m. 7s. p.m.		
M	5	96	British Museum established, 1753.		
T	6	97	King Richard I. d., 1199. Old Lady Day.		
W	7	98	Fire insurance must be paid.		
Th	8	99	Napoleon abdic., 1814. Maunday Thursday.		
F	9	100	Good Friday.		
S	10	101		[3s. a.m.	
S	11	102	Easter Sunday. Moon's last quar. 8h. 59m.		
M	12	103	America dis., 1492. Easter Monday.		
T	13	104	Easter Tuesday.		
W	14	105	Easter Wednesday.		
Th	15	106	Easter Term begins.		
F	16	107			
S	17	108	Battle of Culloden, 1746.		
S	18	109	Low Sunday. First Sunday after Easter.		
M	19	110	New Moon, 11h. 45m. a.m. American war		
T	20	111	[com., 1775.		
W	21	112	Oxford and Cambridge Easter Term begins.		
Th	22	113	Duke of Sussex d., 1843.		
F	23	114	St. George's Day.		
S	24	115	Defoe d., 1731.		
S	25	116	Second Sund. aft. East. Prin. Alice b., 1843.		
M	26	117	Hume b. 1711. [Duch. Gloucester b., 1776.		
T	27	118	Moon's first quarter, 8h. 2m. 8s. a.m.		
W	28	119			
Th	29	120	London University founded, 1827.		
F	30	121			

## POST OFFICE MONEY ORDERS.

Money Orders are subject to the following rules: Every Money Order must be presented for payment before the end of the second calendar month after that in which it was issued; otherwise a new Order may be necessary, for which a second commission must be paid. If an Order be not presented for payment before the end of the twelfth calendar month after that in which it was issued, the money will not be paid at all. As after once paying a Money Order, by whomsoever presented, the office will not be liable to any future claim, the public are strictly cautioned—Firstly, To take all means to prevent the loss of the Money Order. Secondly, never to send a Money Order in the same letter with the information required on payment thereof. Thirdly, to be careful, on taking out a Money Order, to state correctly the Christian as well as the surname of the person in whose favour it is to be drawn. Fourthly, to see that the name, address, and occupation of the person taking out the Money Order are correctly known to the person in whose favour it is drawn.

of regulating the distribution of the Council Medal, has been specially vested; and the Royal Commissioners would strongly impress upon them the responsibility under which they lie of exercising that control with care and firmness, according to the opinions which they may personally entertain of the merits of the several cases brought before them.

The Juries were originally thirty in number, but two of the classes, the fifth and tenth, were found to be so multifarious, that four additional juries, or rather subdivisions of juries, were amalgamated with the original thirty. Their duty was to determine on the following matters submitted to them:—

- 1 Mining, quarrying, metallurgic operations, and mineral products.
- 2 Chemical and pharmaceutical processes and products.
- 3 Substances used as food.
- 4 Vegetable and animal substances used in manufactures.
- 5 Machines for direct use, including carriages and railway and naval mechanism.
- 5a Carriages, &c.
- 6 Manufacturing machines and tools.
- 7 Civil engineering, architecture and building contrivances.
- 8 Naval architecture and military engineering, ordnance armour, &c.
- 9 Agricultural and horticultural machines and implements.
- 10 Philosophical, musical, horological and surgical instruments.
- 10a Musical instruments.
- 10b Horological instruments, watches and clocks.
- 10c Medical and surgical instruments, &c.
- 11 Cotton.
- 12 Woollen and worsted.
- 13 Silk and velvet.
- 14 Manufactures from flax and hemp.
- 15 Mixed fabrics including shawls.
- 16 Leather, saddlery, boots, shoes, skins, fur, and hair.
- 17 Paper, printing, and bookbinding.
- 18 Wove, spun, felted and wove fabrics, printed or dyed.
- 19 Tapestry floor cloth, lace and embroidery.
- 20 Articles of clothing for immediate, personal, or domestic use.
- 21 Cutlery and edge tools.



# THE EXHIBITORS' ALMANAC.

D. W	D. M.	D. Y.	5th Month.]	MAY.	[31 days.	Number of Visitors to the Exhibition,	Admission Total.
S	1	122		Great Industrial Exhibition opened, 1851.		The Exhibition opened by the Queen with great state and solemnity.	
S	2	123		Third Sunday after Easter.		15,560.....£1-560 0 0	
M	3	124		Full Moon, 10h. 22m. 7s. p.m.		15,482.....482 0 0	
T	4	125					
W	5	126		Napoleon d., 1821.		17,756.....5s.—1,362 10 0	
Th	6	127				18,155.....1,458 10 0	
F	7	128				1,477.....19,790 15 0	
S	8	129		Easter Term ends.		21,072.....2,018 0 0	
S	9	130		Fourth Sunday after Easter.		19,614.....1,824 10 0	
M	10	131		Moon's last quarter, 11h. 22m. 9s. p.m.		22,176.....1,843 15 0	
T	11	132					
W	12	133				21,322.....1,597 10 0	
Th	13	134		Old May Day.		23,945.....2,229 10 0	
F	14	135				23,390.....2,064 15 0	
S	15	136		O'Connell d., 1847.		25,231.....2,426 0 0	
S	16	137		Rogation Sunday.		26,030.....2,556 10 0	
M	17	138		Trial by Jury instituted, 970.		25,589.....2,472 5 0	
T	18	139					
W	19	140		New Moon, 3h. 15m. 1s. a.m. St. Dunstan.		25,120.....2,345 0 0	
Th	20	141		Holy Thursday. Ascension Day.		29,243.....3,360 15 0	
	21	142				30,249.....3,512 5 0	
F	22	143		Trinity Term begins.		31,393.....3,797 11 0	
S	23	144		Sunday after Ascension Day.		32,352.....4,095 10 0	
M	24	145		Queen Victoria b., 1819.		44,512.....5,078 0 0	
T	25	146		Princess Helena Augusta Victoria b., 1846.			
W	26	147		Moon's first quarter, 3h. 38m. 3s. p.m.		25,402.....1s.—920 2 0	
Th	27	148		King of Hanover b., 1819. Habeas Corpus		30,000.....1,347 17 0	
F	28	149		[Act passed, 1679.		40,605.....1,869 4 0	
S	29	150		Restoration of K. Charles II. Oxford East.		51,888.....2,375 18 0	
S	30	151		Whit Sunday. Pentecost. [Term ends.		45,669 2s.6d.—2,839 9 0	
M	31	152		Whit Monday.		28,550.....5s.—1,770 15 0	

- 22 Iron and hardware, including locks and grates.
- 23 Works in precious metals, jewellery, &c.
- 24 Glass.
- 25 China, porcelain, earthenware, &c.
- 26 Furniture, paper hangings, &c.
- 27 Manufactures in mineral substances for building, &c.
- 28 Manufactures from animal and vegetable substances.
- 29 Miscellaneous and small wares.
- 30 Sculpture, models and plastic art.

On the close of the Exhibition, Viscount Canning, President of the Council of Chairmen of the Juries, made the following Report on presenting the Awards of the Juries to the Royal Commission:—"Having had the honour of acting as President of the Council of Chairmen of the Juries, it falls to me to lay before your Royal Highness and Her Majesty's Commissioners the Reports of the several Juries upon the subjects submitted to them for examination, and the names of the exhibitors whom they have judged entitled to rewards. In doing so, it will be convenient that I should state briefly the principle upon which, by the authority of Her Majesty's Commissioners, the Juries were constituted. The various subjects included in the Exhibition were divided, in the first instance, into Thirty Classes. Of these, two were subsequently found to embrace fields of action too large for Single Juries, and were therefore divided into Sub-Juries. This increased the number of Acting Juries to Thirty-four. Each of these Thirty-four Juries consisted of an equal number of British subjects and of Foreigners. The British Jurors were selected by Her Majesty's Commissioners from lists furnished by the Local Committees of various towns, each town being invited to recommend persons of skill and information in the manufactures or produce for which it is remarkable. The Foreign Jurors were appointed by authorities in their own countries, in such relative proportion amongst themselves as was agreed upon by the Foreign Commissioners sent here to represent their respective Governments. In the event of a Jury finding themselves deficient in technical knowledge of any article submitted to them, they were empowered to call in the aid of Associates. These Associates, who acted as advisers only, without a vote, but whose services were of the greatest value, were



# THE EXHIBITORS' ALMANAC.

D. W. D. M.	D. Y.	6th Month.]	JUNE.	[30 days.	Number of Visitors to the Exhibition.	Admission. Total.
T	1	153	Whit Tuesday.		46,290 .....	1s.—2,129 1 0
W	2	154	Full Moon, 6h. 25m. 7s. a.m.	Oxford Trin.	50,629 .....	2,415 2 0
Th	3	155		[Term begins.	54,635 .....	2,500 16 0
F	4	156			55,254 .....	2,566 17 0
S	5	157	Riots in London, 1780.		26,134 2s. 6d.—	2,558 11 0
S	6	158	Trinity Sunday.		12,986 .....	5s.—1,523 15 0
M	7	159				
T	8	160				
W	9	161	Moon's last quarter, 3h. 14m. 8s. p.m.		54,194 .....	1s.—2,436 4 0
Th	10	162	Corpus Christi.		49,637 .....	2,272 2 0
F	11	163	King George I. d., 1727.		47,754 .....	2,160 19 0
S	12	164	Trinity Term ends.		48,318 .....	2,233 7 0
S	13	165	First Sunday after Trinity.		24,520 2s. 6d.—	2,206 5 0
M	14	166	Battle of Marengo, 1800.		14,102 .....	5s.—1,634 15 0
T	15	167	Magna Charta, 1215.			
W	16	168		[of Sun (invisible).	63,769 .....	1s.—2,854 9 0
Th	17	169	New Moon, 4h. 47m. p.m.	Partial eclipse	68,154 .....	3,191 1 0
F	18	170	Battle of Waterloo, 1815.		62,663 .....	2,897 7 0
S	19	171	Turkish Ramadan begins.	[Trinity.	63,863 .....	2,984 12 0
S	20	172	Acces. of Q. Vict., 1837.	Sec. Sund. aft.	31,834 2s. 6d.—	2,819 4 6
M	21	173	Longest day. Proclam. of Q. Vict., 1837.		12,732 .....	5s.—1,674 10 0
T	22	174		[Sum. Quar. b., 7h. 29m. a.m.		
W	23	175			67,555 .....	1s.—3,016 11 0
Th	24	176	Midsummer Day. Moon's first quar. 8h. 46m.		68,394 .....	3,186 12 0
F	25	177		[8s. p.m.	58,445 .....	2,691 14 0
S	26	178	King George IV. d., 1830.		57,781 .....	2,722 10 0
S	27	179	Third Sunday after Trinity.		29,033 2s. 6d.—	2,969 6 0
M	28	180	Coronation of Queen Victoria, 1838.		11,501 .....	5s.—1,590 15 0
T	29	181	St. Peter.			
W	30	182			52,879 .....	1s.—2,469 16 0

selected either from the Jurymen of other classes, or from lists of persons who had been recommended as Jurors, but who had not been permanently appointed to any Jury. Each Jury was superintended by a Chairman, chosen from its number by Her Majesty's Commissioners. The Deputy Chairman and the Reporter were elected by the Jurors themselves. Such was the constitution of the Thirty-four Juries taken singly. They did not, however, act independently of each other, inasmuch as they were associated into six Groups, each Group consisting of such Juries as had to deal with subjects in some degree of kindred nature; and before any decision of a Jury could be considered as final, it was required that it should be brought before the assembled Group of which that Jury formed a part, and that it should be approved by them. The chief object of this provision was that none of the many Foreign Nations taking part in the Exhibition should incur the risk of seeing its interests overlooked or neglected from the accident (an unavoidable one in many instances) of its being unrepresented in any particular Jury. Each Group of Juries received the assistance of a Deputy Commissioner and of a Special Commissioner, appointed by Her Majesty's Commissioners to record its proceedings, to furnish information respecting the arrangements of the Exhibition, and otherwise to facilitate the labours of the Juries composing the Group. It was further determined by Her Majesty's Commissioners, that the Chairmen of the Juries, consisting of British subjects and of Foreigners in equal numbers, should be formed into a Council; and that the duties of the Council should be, to determine the conditions upon which, in accordance with certain general principles previously laid down by her Majesty's Commissioners, the different Prizes should be awarded: to frame rules to guide the working of the Juries, and to secure, as far as possible, uniformity in the result of their proceedings. These are the most important features of the system upon which the Jurors found themselves organized. I will now refer briefly to their course of action. The Council of Chairmen, in proceeding to the discharge of their duties, were met at the outset by a serious difficulty. Her Majesty's Commissioners had expressed themselves desirous that merit should be rewarded wherever it presented itself; but anxious at the same time to avoid the recognition of competition between individual Exhibitors. They had also decided that the Prizes should consist of three Medals of different sizes; and that these should be awarded, not as first, second, and third in degree for the same class of subjects and merit, but as marking merit of different



# THE EXHIBITORS' ALMANAC.

D. W.	D. M.	D. Y.	7th Month.]	JULY.	[31 days.	Number of Visitors to the Exhibition.	Admission Total.
Th	1	183	Full Moon, 3h. 27m. 7s. p.m.	Total eclipse		51,060	1s.—£2,429
F	2	184	Cranmer <i>b.</i> , 1489.	[of the moon (invisible.)]		49,399	2,363
S	3	185	Dog Days begin.			55,638	2,651
S	4	186	Fourth Sunday after Trinity.			26,007	2s. 6d.—2,592
M	5	187	Sovereigns first issued, 1817.			11,747	5s.—1,565
T	6	188				61,670	1s.—2,332
W	7	189				65,962	3,169
Th	8	190	Duke of Cambridge <i>d.</i> , 1850.			58,055	2,710
F	9	191	Moon's last quar., 8h. 6m. 2s. a.m.	Camb.		61,492	2,950
S	10	192	Oxf. Trin. Term ends.	[Trin. Term, ends.]		30,667	2s. 6d.—3,145
S	11	193	Fifth Sunday after Trinity.			11,181	5s.—1,389
M	12	194	Erasmus <i>d.</i> , 1535.			62,694	1s.—2,957
T	13	195				74,122	3,502
W	14	196				60,626	2,910
Th	15	197	St. Swithin's Day.			63,746	3,023
F	16	198				35,338	2s. 6d.—3,762
S	17	199	New Moon, 4h. 15m. a.m.			9,327	5s.—1,360
S	18	200	Sixth Sunday after Trinity.			70,640	1s.—3,338
M	19	201	Duchess of Mecklenberg <i>b.</i> , 1822.			68,161	3,236
T	20	202				50,599	2,438
W	21	203				47,458	2,286
Th	22	204	Magdalene.			26,882	2s. 6d.—2,984
F	23	205	First English newspaper published, 1588.			10,399	5s.—1,478
S	24	206	Moon's first quar., 1h. 1m. 5s. a.m.			67,170	1s.—3,194
S	25	207	Seventh Sun. af. Trin. [Duch. of Cambridge			68,496	3,281
M	26	208	St. Anne.	[ <i>b.</i> , 1797,		58,382	2,835
T	27	209	Almanac duty repealed, 1834.			57,849	2,827
W	28	210					
Th	29	211					
F	30	212	Penn <i>d.</i> , 1718.				
S	31	213	Full Moon, 2h. 11m. 5s. a.m.				

kinds and character. The Council of Chairmen found, to their regret, that it would be impossible to lay down any rules for the awarding of the three Medals by which the appearance at least of denoting different degrees of success amongst Exhibitors of the same branch of production could be avoided. Accordingly, after fully explaining their difficulty to Her Majesty's Commissioners, they requested, as a course by which it might be materially diminished, that one of the Medals might be withdrawn. The remaining two, they suggested that one, the Prize Medal, should be conferred wherever a certain standard of excellence in production or workmanship had been attained—utility, beauty, cheapness, adaptation to particular markets, and other elements of merit being taken into consideration according to the nature of the object; and they recommended that this Medal should be awarded by the Jury, subject to confirmation by the Groups. In regard to the other and larger Medal, they suggested that the conditions of its award should be some important novelty in invention or application, either in material, or processes of manufacture, or original combined with great beauty of design; but that it should not be conferred on excellence of production or workmanship alone, however eminent: and they further suggested that this Medal should be awarded by the Council of Chairmen upon the recommendation of a Jury, supported by its Group. The principle thus described met the views of Her Majesty's Commissioners, and was subsequently further developed by them in a Minute which they communicated to the Council of Chairmen. Its application, however, was not without difficulties, especially as regards the Foreign Jurors. Many of these had taken part in the National Exhibitions of France and Germany; and to them the distinctive character of the two Medals, and the avoidance of all recognition of degrees of merit between the recipients of prizes were novel principles, and at variance with their experience; inasmuch as one of the chief purposes of the National Exhibitions of the Continent has been to distinguish various degrees of success attained by rival exhibitors. It was to be expected, therefore, that cases would arise in which the Council Medal, as the higher reward, would be asked for Exhibitors whose claims were only somewhat stronger in degree, without differing in kind from those to whom the Prize Medal had been awarded. In such cases it became the duty of the Council of Chairmen to refuse their sanction to the award of the Council Medal; without, however, necessarily impugning the alleged superiority of the article for which it was demanded. On the other hand,



# THE EXHIBITORS' ALMANAC.

D. W. D. M.		D. Y.	8th Month.]	AUGUST.	[31 days.	Number of Visitors to the Exhibition.	Admission Total.
S	1	214	Eighth Sunday after Trinity. Lammas Day.			26,897 2s. 6d.—	2,852 2 6
M	2	215				9,725.....5s.—	1,324 10 0
T	3	216				62,631.....1s.—	3,006 18 0
W	4	217				68,069.....3,236	9 0
Th	5	218	Ali Pasha d. 1849.			59,139.....2,833	4 0
F	6	219	Prince Alfred Ernest Albert b. 1844.			60,118.....2,859	16 0
S	7	220	Queen Caroline d. 1821.			18,466 2s. 6d.—	1,920 12 6
S	8	221	Ninth Sund. aft. Trin. Moon's last quar.			18,348.....1,584	15 0
M	9	222			[1h. 25m. 5s. a.m.		
T	10	223					
W	11	224	Dog days end.			58,634.....1s.—	2,829 19 0
Th	12	225	Grouse shooting begins.			58,554.....2,826	19 0
F	13	226	Old Lammas Day.			47,817.....2,264	10 0
S	14	227	Printing introduced into England, 1437.			49,452.....2,386	0 0
S	15	228	Tenth Sunday after Trin. New Moon, 1h.			20,859 2s. 6d.—	2,151 2 6
M	16	229	Dutch Fleet sur. 1796. [57m. 7s. p.m.			16,741.....1,592	7 6
T	17	230	Duchess of Kent b. 1786.				
W	18	231				51,525.....1s.—	2,506 16 0
Th	19	232	Covent Garden Theatre burnt, 1808.			57,079.....2,773	16 0
F	20	233				44,567.....2,217	8 0
S	21	234	Black-cock shooting begins.			50,482.....2,470	3 0
S	22	235	Eleventh Sund. aft. Trin. Moon's first quar.			17,978 2s. 6d.—	1,957 12 6
M	23	236	Sir Wm. Wallace exe. [6h. 1m. 5s. a.m.			14,908.....1,434	17 6
T	24	237	St. Bartholomew's Day, massacre, &c. 1572.				
W	25	238				49,021.....1s.—	2,436 14 0
Th	26	239	Prince Albert b. 1819.			51,311.....2,493	10 0
F	27	240	Battle of Algiers, 1816.			38,228.....1,896	1 0
S	28	241	St. Augustine.			44,244.....2,167	10 0
S	29	242	Twelfth Sun. after Trin. Full Moon, 3h.			15,590 2s. 6d.—	1,559 17 6
M	30	243			[6m. 1s. p.m.	13,052.....1,306	15 0
T	31	244					

some instances have occurred in which they have felt themselves called upon to confirm the claim to a Council Medal where the object for which it was claimed showed, in itself, less merit of execution or manufacture than others of its class. It follows, therefore, that the award of a Council Medal does not necessarily stamp its recipient as a better manufacturer or producer than others who have received the Prize Medal. It is rather a mark of such invention, ingenuity, or originality as may be expected to exercise an influence upon industry, more extended, and more important, than could be produced by mere excellence of manufacture. This is to be borne in mind in considering the List of awards which I have the honour to lay before your Royal Highness; and I trust that it will be found that the Juries have succeeded in doing justice to the Exhibitors of every Nation and Class, and that they have not departed in any important degree from the purpose of Her Majesty's Commissioners. One of the first instructions addressed to the Juries by the Council of Chairmen was to the effect that the Prizes should be awarded without reference to the country of the Exhibitors, the Exhibition being considered in this respect as recognizing no distinction of Nations. It is gratifying to add that the Jurors of every country cordially acquiesced in this principle, and that notwithstanding unavoidable differences of opinion, uninterrupted harmony prevailed amongst them throughout the whole course of their labours. It is not too much to hope that the happy influence of this intercourse may extend and endure far beyond the present occasion. It is not necessary that I should detain your Royal Highness and Her Majesty's Commissioners with a recital of the other instructions framed by the Council of Chairmen for the guidance of the Juries, or with a detailed account of their proceedings in the discharge of their own functions. The number of Prize Medals awarded is 2918. The number of Council Medals is 170. It is important to observe that no more than one Medal of either denomination has been allotted to one Exhibitor in the same Class, although he may have contributed to that Class more than one article deserving of reward. The Juries have found it just, in framing their Reports, to make honourable mention of certain Exhibitors whose contributions were not such as to entitle them to receive a Medal. Some have supplied specimens of raw materials, which, although curious and instructive, do not imply any great merit of production on the part of the Exhibitor; and others have furnished articles of manufacture which, without reaching a high degree of excellence, are interesting as examples of the processes, or



# THE EXHIBITORS' ALMANAC.

D. W D.M. D. Y. 9th Month.] **SEPTEMBER.** [30 days.

W	1	245	Partridge shooting begins.
Th	2	246	Tea introduced into England, 1666.
F	3	247	Oliver Cromwell <i>d.</i> 1658.
S	4	248	Home <i>d.</i> 1808.
S	5	249	Thirteenth Sunday after Trinity.
M	6	250	Moon's last quarter, 6h. 34m. 4s. p.m.
T	7	251	
W	8	252	
Th	9	253	King William I. <i>d.</i> 1087.
F	10	254	Prince of Wales created Earl of Dublin, 1849.
S	11	255	Lord Marlow <i>d.</i> 1806.
S	12	256	Fourteenth Sunday after Trinity.
M	13	257	New Moon, 10h. 38m. 2s. p.m.
T	14	258	The year 5613 of the Jewish Era begins.
W	15	259	
Th	16	260	King James II. <i>d.</i> 1701.
F	17	261	Siege of Gibraltar ended, 1782.
S	18	262	
S	19	263	Fifteenth Sunday after Trinity.
M	20	264	Moon's first quarter, 1h. 17m. 1s. p.m.
T	21	265	St. Matthew.
W	22	266	Autumn Quarter begins, 9h. 41m. p.m.
Th	23	267	King Charles I. dethroned, 1640.
F	24	268	Don Pedro <i>d.</i> 1834.
S	25	269	
S	26	270	Sixteenth Sunday after Trinity.
M	27	271	Sir R. Taylor <i>d.</i> 1788.
T	28	272	Full Moon, 6h. 24m. 8s. a.m.
W	29	273	Michaelmas Day. Election of Lord Mayor.
H	30	274	St. Jerome.

Number of Visitors to the Exhibition.	Admission Total.
50,233... 1s.—£2,465	
49,866.....	2,407 13
41,917.....	2,000 12
44,209.....	2,137 10
15,726 2s. 6d.—	1,593 17
12,672.....	1,198 13
56,852.....1s.—	2,767 17
58,015.....	2,795 10
50,106.....	2,395 10
54,827.....	2,637 19
17,959 2s. 6d.—	1,890 10
16,273.....	1,451 13
60,497.....1s.—	2,933 11
62,622.....	3,008 10
52,757.....	2,501 10
58,600.....	2,810 10
21,438 2s. 6d.—	2,227 10
17,366.....	1,604 13
59,354.....1s.—	2,863 10
60,382.....	2,859 10
54,540.....	2,572 12
57,161.....	2,725 10
23,694 2s. 6d.—	2,415 15
20,236.....	1,852 10
68,542.....1s.—	3,295 15
69,346.....	3,303 10

present condition of the trades which they illustrate, Before concluding, I trust, may be allowed to add that it would be difficult duly to estimate the time and labour expended by the Jurors in their endeavour to discharge faithfully the important duty confided to them. The number of Exhibitors was about 17,000. Of these, many who were reckoned but once in the Catalogue, contributed a large variety of objects, and came within the province of more than one Jury; whilst in other cases, towns and even whole countries, were counted as single Exhibitors, although they presented for examination every kind of manufacture and raw produce which their ingenuity and natural resources could furnish. Upon the whole, the task of the Jurors involved the consideration and judgment of at least a million articles; the difficulties attending it being not a little increased by the want of a uniform system of classification of the subjects in some of the foreign divisions, and by unavoidable imperfections in the Catalogue. In these circumstances the Juries can scarcely venture to hope that accidental omissions may not have occurred; but they have the satisfaction of feeling that these, if any, are not attributable to a want of care or diligence on their part. It now only remains for me, in laying the result of our labours respectfully before your Royal Highness and Her Majesty's Commissioners, to offer, on behalf of my Colleagues and myself, our grateful acknowledgment of the honourable confidence which you have placed in us; and to express the hope that we shall be found to have fulfilled our trust in a manner worthy of the noble undertaking in which we are proud to have been called upon to bear a part.

The answer of His Royal Highness Prince Albert to the foregoing Report was as follows:—My Lord,—The Royal Commissioners are much indebted to your Lordship, and to the distinguished gentlemen of this and other nations, who have acted on the Juries entrusted with the award of the Prizes in the recent Exhibition, for the zeal with which they have undertaken, and the ability with which they have fulfilled, the task which has been allotted to them. The Commissioners are sensible that the services of these gentlemen have in many instances been rendered at great inconvenience to themselves, and at the sacrifice of very valuable time, and of important avocations. It is with pride and pleasure, that they have noticed in the lists of those who have performed this service to the Exhibition, the names of men of every nation of the most exalted rank, and of the most eminent reputations in statesmanship, in science, in literature, in manufactures, in commerce, and in the



# THE EXHIBITORS' ALMANAC.

D. W	D.M.	D.Y.	10th Month.]	OCTOBER.	[31 days.	Number of Visitors to the Exhibition.	Admission. Total.
F	1	275	Pheasant shooting beg.	London University		59,071	1s.—£2,830 11 0
S	2	276		[opened, 1828.		64,298	3,080 12 0
S	3	277	Seventeenth Sunday after Trinity.			31,951	2s.6d. 3,354 3 0
M	4	278				20,640	2,862 14 0
T	5	279		[pro. with Amer. 1783.			
W	6	280	Moon's last quar., 10h. 36m. 2s. a.m.	Peace		167,815	1s.—5,175 16 0
Th	7	281	Zimmerman d. 1795.			109,915	5,231 10 0
F	8	282	Fielding d. 1754.			109,760	5,283 3 0
S	9	283	Bankers' licenses due.	[Term begins.		90,813	4,344 8 0
S	10	284	Eighteenth Sunday aft. Trin.	Camb Mich.		46,913	2s.6d. 4,914 1 6
M	11	285	America dis. 1492.	Oxford Mich. Term. b.		53,061	4,845 13 6
T	12	286	Old Michaelmas Day.				
W	13	287	New Moon, 7h. 14m. 3s. a.m.				
Th	14	288	Fire insurance must be paid.				
F	15	289	The Great Exhibition closed.				
S	16	290	Houses of Parliament burnt, 1834.				
S	17	291	Nineteenth Sunday after Trinity.				
M	18	292	St. Luke.				
T	19	293	Moon's first quarter, 11h. 55m. 9s. p.m.				
W	20	294					
Th	21	295	Battle of Trafalgar; Lord Nelson killed, 1805.				
F	22	296					
S	23	297	Royal Exchange founded, 1667.				
S	24	298	Twentieth Sunday after Trinity.				
M	25	299	St. Crispin.				
T	26	300					
W	27	301	Full Moon, 11h. 54m. 4s. p.m.				
Th	28	302	St. Simon and St. Jude. Hare hunting b.				
F	29	303	Riots at Bristol, 1831.				
S	30	304	Opening of the Coal Exchange, 1849.				
S	31	305	Twenty-first Sunday after Trinity.				

The total proceeds of the Exhibition were for	
Season Tickets	£97,610 14 0
Money at Doors	56,808 1 0
Subscriptions	67,399 3 10
Catalogues	3,200 0 0
Refreshments	5,500 0 0
Refitting Rooms	2,427 19 9
Washing Places	440 11 11
Care of Cloths, &c.	831 3 3
Sale of Medicines	881 16 10
Sale of Charts	7 14 11
<b>Total</b>	<b>£505,107 5 7</b>

fine arts; of men in every respect well calculated not only to form a correct technical judgment upon the merits of the articles submitted to their inspection, but also to maintain the high character which the Commissioners have uniformly striven to impart to the Exhibition. In no department of the vast undertaking which has just been brought to a happy close, were greater difficulties to have been apprehended than in that in which your Lordship and your eminent colleagues have given your assistance. On this, the first occasion on which the productions of the different nations of the globe have ever been brought together for the purpose of comparing their several merits, not only were prejudices and jealousies to have been expected to interfere with the decisions, but the nature of the case presented many difficulties of a formidable character, to the formation of a judgment which should appear satisfactory to all. The names of the Jurors, indeed, when once made known, were of themselves a sufficient guarantee for that impartiality which was essential to the fulfilment of their task; and from all that has come to the knowledge of the Royal Commissioners during the progress of their labours, they are fully satisfied that every award has been made with the most careful consideration, after the most ample and laborious investigation, and upon grounds most strictly honourable, just, and candid. But although the high character of the Jurors would have fully justified the Commissioners in entrusting them with the award of the Prizes without fettering their discretion with any instructions whatever, had nothing more than an impartial decision been required, there were difficulties of a very peculiar nature inherent to the task, which seemed to render necessary the adoption of some regulations that might, at first sight, appear to have been somewhat arbitrary in their character. The differences in the wants of various nations having necessarily impressed their several manufactures with different characteristics, it would seem to be almost impossible for those who have been in the habit of judging the productions of their own country by one standard, to enter fully into merits which can only be properly appreciated by another standard, since the very points which in the one case appear to be excellencies may in the other, not unnaturally, be taken as defects. This consideration, and a knowledge of the evils which were to be apprehended from any accidentally erroneous decision, in a matter so intimately connected with the commercial interests of every nation, induced the Royal Commissioners to lay down, for the guidance of the



# THE EXHIBITORS' ALMANAC.

D. W. D. M.	D. Y.	11th Month.]	NOVEMBER.	[30 days.
M	1	306	All Saint's Day.	
T	2	307	Michaelmas Term beg. All Soul's Day.	
W	3	308	[landed in Eng. 1690.	
Th	4	309	Moon's last quar. 40m. 6s. a.m. Wil. III.	
F	5	310	Gunpowder Plot, 1605.	
S	6	311	Princess Charlotte d. 1817.	
S	7	312	Twenty-second Sunday after Trinity.	
M	8	313	Milton d. 1674.	
T	9	314	Lord Mayor's Day. Prince of Wales b. 1841.	
W	10	315	[estab. 1848.	
Th	11	316	New Moon, 4h. 40m. 7s. p.m. French Rep.	
F	12	317		
S	13	318		
S	14	319	Twenty-third Sunday after Trinity.	
M	15	320		
T	16	321		
W	17	322	Queen Mary d. 1558. [Hanover d.	
Th	18	323	Moon's first quarter, 2h. 27m. 3s. p.m. King	
F	19	324	King Charles I. b. 1600.	
S	20	325	Cape of Good Hope first doubled, 1497.	
S	21	326	Twenty-fourth Sun. after Trin. Prin. Royal	
M	22	327	St. Cecilia. [b. 1840.	
T	23	328	Old Martinmas Day.	
W	24	329		
Th	25	330	Michaelmas Term ends.	
F	26	331	Full Moon, 6h. 40m. 9s. p.m.	
S	27	332	Princess Mary of Cambridge b. 1833.	
S	28	333	First Sunday in Advent.	
M	29	334	Selden d. 1634.	
T	30	335	St. Andrew's Day.	

STAMPS.	
<i>Bills and Promissory Notes.</i>	
Payable on demand, or at any time not exceeding 2 months after date, or 60 days after sight.	
Above	If for 2 0 5 5 1 0 1 0
	5 5 20.. 1 6 2 0
	20 30.. 2 0 2 0
	30 50.. 2 6 2 0
	50 100.. 3 6 2 0
	100 200.. 4 6 2 0
	200 300.. 5 0 0 0
	300 500.. 6 0 0 0
	500 1000.. 8 6 2 0
	1000 2000.. 12 6 2 0
and not exceeding	2000 3000.. 15 0 0 0
	3000 .. 25 0 0 0
Penalty for post-dating bills and notes.	
RECEIPTS.	
If £5 and under £10 .. 0 0	
10 .. 20 .. 0 0	
20 .. 50 .. 1 0	
50 .. 100 .. 1 0 0	
100 .. 200 .. 2 0 0	
200 .. 300 .. 3 0 0	
300 .. 500 .. 5 0 0	
500 .. 1000 .. 10 0 0	
1000 and upwards .. 10 0 0	
Any sum, if in full of all demands due to the Stamp to be paid by the person giving the Receipt.	
BONDS.	
To secure any definite & certain sum not exceeding £50 .. £1	
£50 & not exceeding 100 .. 1	
Exceeding	100 .. 1 10 0
	150 .. 2 0 0
	200 .. 2 10 0
	250 .. 3 0 0
	300 .. 3 10 0
	300, then for every 100, & fractional part of 100 .. 1

Juries, those principles to which your Lordship has referred. It would perhaps have been more interesting to the public had the Commissioners instructed the Juries to follow the practice which has usually prevailed in the Exhibitions of individual nations, and to grant medals of different degrees, to mark the gradations of excellence among the Exhibitors; but they feel that they have adopted the safer course, and that which was upon the whole most in accordance with the feelings of the majority of the Exhibitors, in directing that no distinction should be made between their merits if their productions came up to the standard requisite to entitle them to a Prize, but that all should without exception take the same rank and receive the same Medal. The Commissioners, however, considered it right to place at the disposal of the Council of Chairmen a peculiar or "Council" Medal in the cases to which your Lordship has referred. Important discoveries in many branches of science and manufactures have in this Exhibition been brought under the notice of the public, and it seems just that those who have rendered services of this kind to the world should receive a special mark of acknowledgment on an occasion which has rendered so conspicuous the advantages which the many have derived from the discoveries of the few. The grant of the Council Medal for beauty of design, and for excellence in the fine arts, as applied to manufactures, though made upon a somewhat different principle, is also compatible with the views of the Commissioners, since in the cases in which it has been given it does not mark any greater comparative excellence of manufacture, or assign to one producer a higher place than is accorded to others, but is to be regarded as a testimony to the genius which can clothe the articles required for the use of daily life with beauty that can please the eye, and instruct and elevate the mind. Valuable as this Exhibition has proved in many respects, it appears to the Commissioners that there is no direction in which its effects will be more sensibly and immediately perceived than in the improvement which may be expected to produce in taste, and the impulse it has given to the arts of design; and a special acknowledgment is justly due to those who have afforded the best examples of art, whether pure or applied, and led the way in this interesting career of improvement. It now remains for the Commissioners once more to return to your Lordship and your Colleagues their cordial thanks; and they must not omit



# THE EXHIBITORS' ALMANAC.

D. W.	D. M.	D. Y.	12th Month.]	DECEMBER.	[31 days.	
W	1	336				December
Th	2	337				November
F	3	338	King James II. abdicated, 1688.			October
S	4	339	Moon's last quarter, 22m. 3s. p.m.			September
S	5	340	Second Sunday in Advent.			August
M	6	341	St. Nicholas.			July
T	7	342				June
W	8	343				May
Th	9	344				April
F	10	345	Total Eclipse* of Sun (invisible.) Grouse			March
S	11	346	New Moon, 3h. 31m. 6s. a.m. [shoot. e.			February
S	12	347	Third Sunday in Advent.			January
M	13	348	Oliver Cromwell made Protector, 1653.			
T	14	349				
W	15	350				
Th	16	351	Cambridge* Michaelmas Term ends.			
F	17	352	Oxford Michaelmas Term ends.			
S	18	353	Moon's first quarter, 8h. 39m. a.m.			
S	19	354	Fourth Sunday in Advent. [Rep.			
M	20	355	Prince Louis Napoleon pro. Pres. of French			
T	21	356	St. Thomas's Day. Shortest day. Winter			
W	22	357	[Quar. be. 3h. 13m. p.m.			
Th	23	358				
F	24	359	Robin Hood d. 1247. [invis.			
S	25	360	Christmas Day. Partial Eclipse of Moon			
S	26	361	First Sun. after Chris. Full Moon, 1h. 9m.			
M	27	362	St. John's. [8s. p. m.			
T	28	363	Innocents.			
W	29	364				
Th	30	365	Flamstead d. 1710.			
F	31	366				

SUNDAYS IN 1853.

January	3	6	13	20	27	23	30
February	4	11	18	25	3	10	17
March	5	12	19	26	2	9	16
April	6	13	20	27	4	11	18
May	7	14	21	28	5	12	19
June	8	15	22	29	6	13	20
July	9	16	23	30	7	14	21
August	10	17	24	31	8	15	22
September	11	18	25		9	16	23
October	12	19	26		10	17	24
November	13	20	27		11	18	25
December	14	21	28		12	19	26

to include in these acknowledgments those gentlemen who have in various ways assisted you in your labours, particularly those who have acted with you as Associates or Experts for the purpose of assisting your judgment in matters requiring very minute and special knowledge of particular subjects; and the Commission are well aware that these gentlemen have frequently been of the greatest service. In the hope that the Jurors and Associates might desire to possess a lasting memorial of the Exhibition, a Special Medal has been struck in commemoration of their important services. It is the intention of the Commissioners to publish not only the names of those to whom the Juries have awarded Prizes, but also the valuable Reports which they have prepared on the state of science, art, and manufactures, in the several branches of the Exhibition with which the Juries have been conversant. The Royal Commissioners fully appreciate the zeal and talent displayed by those Jurors who have accepted the laborious office of Reporters to the Juries; and they doubt not that their Reports will form most interesting records of this Exhibition, and will afford important materials for ascertaining the progress of human industry, at any future time, when another review of its productions, like the present, may be determined on. It now becomes my pleasing duty on behalf of the Royal Commissioners, to deliver my most sincere acknowledgments and thanks for the hearty co-operation and support which the Exhibition has constantly received from Foreign Countries, The Foreign Commissioners, who have left their own countries to superintend the illustration of their respective national industries at the Exhibition, have ever shown that desire to aid the general arrangements which alone has rendered possible the success of the undertaking. To the Society of Arts, which by its exhibition of works of national industry, prepared the way for this international Exhibition, the Royal Commission and the public feel that their acknowledgments are especially due, and the Commission have to thank that body for having carried out the preliminary arrangements to an extent which justified me as their President in the application which I made to the Crown for the issue of a Royal Commission. The Commission have also to acknowledge the valuable services afforded by the eminent scientific and professional men who, on the Sectional Committees, aided most materially in founding a scientific basis on which to rear the Exhibition. To the Local Commissioners and members of Local Committees, but more especially to those who have undertaken the onerous duties of Secretaries, our best acknowledgments.



ments are also due. Without their zealous aid it would have been impossible to have obtained an efficient representation of the industrial products of their respective localities. And finally, we cannot forget that all the labours of those thus officially connected with the Exhibition would have been in vain, had it not been for the hearty good will and assistance of the whole body of Exhibitors, both Foreign and British. The zeal which they have displayed in affording a worthy illustration of the state of the industry of the nations to which they belong, can only be equalled by the successful efforts of their industrial skill. The Commission have always had support and encouragement from them during the progress of the undertaking, and they cannot forget how cheerfully they submitted to regulations essential for their general good, although sometimes producing personal inconvenience to themselves. If the Exhibition be successful in aiding the healthy progress of manufactures, we trust that their efforts will meet with a due reward. In now taking leave of all those who have so materially aided us in their respective characters of Jurors and Associates, Foreign and Local Commissioners, Members and Secretaries of Local and Sectional Committees, Members of the Society of Arts, and Exhibitors, I cannot refrain from remarking, with heartfelt pleasure, the singular harmony which has prevailed amongst the eminent men representing so many national interests—a harmony which cannot end with the event which produced it. Let us receive it as an auspicious omen for the future; and while we return our humble and hearty thanks to Almighty God for the blessing He has vouchsafed to our labours, let us all earnestly pray that that Divine Providence which has so benignantly watched over and shielded this illustration of Nature's productions, conceived by human intellect and fashioned by human skill, may still protect us, and may grant that this interchange of knowledge, resulting from the meeting of enlightened people in friendly rivalry, may be dispersed far and wide over distant lands; and thus, by showing our mutual dependence upon each other, be a happy means of promoting unity among nations, and peace and good-will among the various races of mankind."

With these remarks Prince Albert closed the Great Exhibition of the World's Industry. A short and fervent prayer offered up by the Bishop of London, and the solemn Hallelujah Chorus were the only appendices to the final ceremony, and with the retirement of the procession, the vast agglomeration of every article of use, improvement, and luxury was left to be distributed to all parts of the world; some to the quarters whence it came, most of it to improve and benefit other countries and nations, and no inconsiderable portion to remain amongst the mighty people who had succeeded in developing and accomplishing the great conception of its honoured Prince.

Before proceeding with the Alphabetical Lists, it may be as well to give the decision relative to Prizes and Juries for the purpose of more detailed information; they were as follows:—

"Her Majesty's Commissioners have had under their consideration the subject of the Prizes to be awarded to exhibitors, and have resolved to take immediate steps for having (three) Medals struck of various sizes and different designs, it being their opinion that this is the form in which it will, generally speaking, be most desirable that the rewards should be distributed. They have decided to select bronze for the material in which the Medals are to be executed, considering that metal to be better calculated than any other for the development of superior skill and ingenuity in the medallion art, and at the same time the most likely to constitute a lasting memorial of the Exhibition.

With regard to the mode in which the Prizes are to be awarded, the Commissioners think it inexpedient to establish beforehand rules so precise as to fetter the discretion of the Juries upon which the task will ultimately devolve. It will be sufficient for the present to indicate the general principle to which it will probably be advisable to conform in the award of Prizes for successful competition in the several departments of the Exhibition.

In the department of RAW MATERIALS AND PRODUCE, for instance, Prizes will be awarded upon a consideration of the value and importance of the article, and the superior excellence of the particular specimens exhibited; and in the case of prepared materials, coming under the head of the Exhibition, the Juries will take into account the novelty and importance of the prepared product, and the superior skill and ingenuity manifested in the process of preparation.

In the department of MACHINERY, the Prizes will be given with reference to novelty in the invention, superiority in the execution, increased efficiency, or increased economy, in the use of the article exhibited. The importance in a social or other point of view, the purposes to which the article is to be applied, will also be taken into consideration.



# THE EXHIBITORS' ALMANAC.

as will also the amount of the difficulties overcome in bringing the invention to perfection.

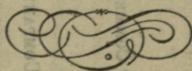
In the department of MANUFACTURES, those articles will be rewarded which fulfil in the highest degree the conditions specified in the sectional list, viz :—Increased usefulness, such as permanency in dyes, improved forms and arrangements in articles of utility, &c. Superior quality, or superior skill in workmanship. New use of known materials. Use of new materials. New combinations of materials, as in metals and pottery. Beauty of design in form, or colour, or both, with reference to utility. Cheapness, relatively to excellence of production.

In the department of SCULPTURE, MODELS, AND THE PLASTIC ART, the rewards will have reference to the beauty and originality of the specimens exhibited, to improvements in the processes of production, to the application of art to manufactures, and, in the case of Models, to the interest attaching to the subject they represent.

These general indications are sufficient to show that it is the wish of the Commissioners, as far as possible, to reward all articles in any department of the Exhibition which may appear to competent judges to possess any decided superiority, of whatever nature that superiority may be. It is the intention of the Commissioners, to reward excellence in whatever form it is presented, and not to give inducements to the distinctions of a merely individual competition. Although the Commissioners have determined on having three Medals of different sizes and designs, they do not propose to instruct the Juries to award them as first, second, and third in degree for the same class of subjects. They do not wish to trammel the Juries by any precise limitation; but they consider that the Juries will rather view the three kinds of Medals as a means of appreciating and distinguishing the respective characters of the subjects to be rewarded, and not of making distinctive marks in the same Class of Articles exhibited. They fully recognise that excellence of production is not only to be looked for in high-priced goods, in which much cost of labour and skill has been employed, but they encourage the exhibition of low-priced fabrics, when combining quality with lowness of price, or with novelty of production. They can readily conceive that Juries will be justified in giving the same class Medal to the cheapest Calico Print made for the Brazilian or other South American market, as they would to the finest piece of *Mousseline-de-Soie* or *Mousseline-de-Laine*, if each possessed excellence of its own kind."

The Juries were originally intended to be composed of an equal number of British subjects and Foreigners, but some deviation from this rule was of course to be expected; the actual number of the jurors sent from each country being as follows:—

Austria	17	Russia	7
Belgium	14	Sicily	1
Denmark	1	Spain	4
Egypt	2	Switzerland	7
France	38	Sweden	1
Great Britain	160	Turkey	5
Greece	1	United States	23
North Germany	2	Zollverein	24
Holland	2		
Italy	6	Total	317
Portugal	2		





# UNCLASSIFIED COUNCIL MEDALS.

HIS ROYAL HIGHNESS PRINCE ALBERT	...	For the original conception and successful prosecution of the idea of the Great Exhibition of 1851.	Joint medal with that granted for the model lodging house in Class VII.
CHAMBER OF COMMERCE LYONS	...	For the collection which it exhibited, in which it showed the general progress made through its exertions	in the silk manufactures of Lyons.
EAST INDIA COMPANY, THE HONOURABLE	...	For the very valuable and extensive collection, illustrating the natural resources and manufactures of India.	
EGYPT, THE PACHA OF	...	For the very valuable and extensive collection, illustrating the manufactures and natural resources of India.	
FRENCH MINISTER OF WAR	...	For the part taken by him in exhibiting the valuable collection of raw products from Algeria.	
SPAIN, THE GOVERNMENT OF	...	For the valuable and extensive collection of raw products, showing the natural resources of Spain.	
TUNIS, THE BEY OF	...	For the very valuable and extensive collection, illustrating the manufactures and natural resources of Tunis.	
TURKEY, THE GOVERNMENT OF	...	For the valuable and extensive collection of raw products, showing the natural resources of Turkey.	

# THE COUNCIL MEDAL

*Was awarded for some important novelty of invention or application, either in material or processes of manufacture, or originality combined with beauty of design. There were 170 of these medals, and they were bestowed upon the parties comprised in the following list:—*

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
ADMIRALTY, the .. ..	England .. ..	Hydrographic charts, and models of the ships constructed by them	8	Hydraulic charts, and models of the ships constructed by them.
ALBERT, H. R. H. Prince ..	England .. ..	Model Lodging-house .. ..	7	Model lodging house. (Joint medal to that granted for the original conception and successful prosecution of the Exhibition of 1851.)
ANDRE, J. P. V. .. ..	France: Val d'Osme .. ..	Iron fountain, and design of Aligat and Fish fountain .. ..	22	Cast-iron beds; grates for chimneys; groups of animals; candelabras; statues and vases.
AUBANEL, J. .. ..	France: 43 Rue de Trévis, Paris ..	Castings of animals, and gilt cast-iron door .. ..	22	Bronze and marble chimney-piece. Door made of cast-iron, gilt, and carved, and gilt wood.
APPOLD, J. G. .. ..	England: 23 Wilson-st., Finsbury ..	Centrifugal pump with curved vanes .. ..	5	Centrifugal pump for draining marshes for a tide-pump, without valves.
BAIN, A. .. ..	England: Hammersmith .. ..	Electric telegraph .. ..	10	Electric-clocks. Electro-chemical telegraphs. Electro-chemical copying telegraph.
BAKEWELL, F. .. ..	England: Hampstead .. ..	Copying electric telegraph .. ..	10	Electric copying telegraph.
BALL, DUNNICLIFFE and Co. ..	England: Nottingham .. ..	Velvet and Simla lace, being new patented fabric suitable for shawls, dresses, and various ornamental and useful purposes, and of great commercial importance, also for imitation. Valenciennes lace, black and white point tulle, of great merit .. ..	19	Elastic velvet, plain and mixed pile, silk elastic taffeta, elastic fabrics. Simla and lace shawls.
BARBEDIENNE, F. and Co. ..	France: 30 Boulevard Poissonnière, Paris .. ..	Sculpture in metal, bronzes .. ..	22	Sculpture in reduced proportions by mechanical processes. Bronzes of art. Gate of the Baptistery of Florence, half the size of the original.
BARBEDIENNE, F. and Co. ..	As above .. ..	Ebony book-case mounted with bronze .. ..	26	Joint medal with the above.
BARBERI, the Cavaliere .. ..	Rome .. ..	Table in Roman mosaic .. ..	27	Mosaic table, invented and executed by the exhibitor.
BARLOW, A. .. ..	England: 26 Bread-street .. ..	Jacquard loom with two cylinders, simultaneously raising & lowering the suspended wires..	6	Double-action Jacquard loom, with two cylinders and two sets of cards.



AME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
BELFAST Flax Improvement Society, the Royal	Ireland : Belfast	Persevering and successful efforts to improve the quality of the fibre of flax, illustrated by a series of specimens	4	Specimens of flax.
BERARD and Co.	France : 44 Rue Blanche, Paris	Process for washing and purifying coals	1	Small coal purified, and residue of the same.
BOEHM, J.	Bavaria : Munich	Important scientific improvements of the flute, and the successful application of the same principles to other wind-instruments	10a	{ Key flute with silver and gold embrochures. Flute d'amour, in B flat, the same size and construction. Model of an oboe on same principle.
BOND, W. and Son	America : Boston	Invention of a new mode of observing astronomical phenomena	10	Electric clock, battery.
FORDEN, Gail, Jun.	America : Galveston, Texas	Preparation called Meat Biscuit	3	Meat Biscuit.
BOURDON, E.	France : 72 Faubourg du Temple, Paris	Invention of metallic barometers and manometers	10	Working model of a steam-engine, various instruments for measuring the pressure of steam and gases, the atmospheric pressure, the temperature.
BREW, J.	England : 2 Hanover-sq.	Printing telegraph	10	Electric printing telegraphs. Communicator, or corresponding apparatus. Circuit regulator. A portion of the experimental wire passed along the bottom of the channel in August, 1856, when messages by this telegraph were printed from England to France.
BROCKEDON, W.	England : 29 Devonshire-st.	Cumberland lead, condensed in blocks	1	Iron-protecting cable for enclosing the submarine wires, where great strength may be required. Electric bells. Native black lead from Cumberland, India, Ceylon, Greenland, Spain, Bohemia, &c. Cumberland lead in powder, purified and condensed into blocks for pencil-makers. Samples of Mordan's and other points and pencils.
BROOKE, C.	England : 29 Keppel-st.	Invention of a means of self-registering natural phenomena by photography	10	Photographic, self-registering, magnetic, and meteorological apparatus, comprising the barometer, the wet and dry bulb thermometers, and photographic apparatus for registering their variations.
BUCKLE, S.	England : Peterborough	Photographs on paper	10	A series of pictures from nature, taken by Talbot's photographic process, called Calotype, and printed from paper negatives.
BURON, —	France : 8 Rue des Trois Pavillons	Good telescopes, the object-glass being of rock crystal	10	Optical and mathematical instruments.
BUSBY, W.	England : Newton-Je-Willows, Bedale	Two or four-horse plough, horse hoe on the ridge, ribbing corn-drill, and cart	9	{ Carts for farming purposes. Light horse hoe for ridge work, improved by the exhibitor. Ploughs, drills.
CAIT and Co.	France : 46 Quai de Billy, Paris	Vacuum apparatus for the manufacture of sugar	6	{ Locomotive engine for goods. Apparatus to take in the vacuum for sugar with its steam-engine. Coining press.
CHANCE, Brothers	England : Birmingham	Disc of flint glass, 29in. diameter	10	{ Crown window glass, of various kinds. Sheet, or cylinder window glass : the building for the Great Exhibition was glazed with this glass. Various other articles of glass, and various instruments.

DESCRIPTION OF ARTICLES EXHIBED.

Class

ARTICLES REWARDED.

LOCALITY.

NAME.

CLAUDET, A. P.	England : 18 King William-st. Charing-cross	Several inventions based upon experiments in the practice of phot-gravure, and non-inverted pictures	10	Photographic plates and pictures, and apparatus for photographic purposes. Iron and bronze castings. Ornamental park entrance of cast-iron, bronzed, consisting of a pair of principal gates, and two side gates, hung on iron pillars of new construction: each of the four gates was cast in one piece. Ornamental rustic dome of cast-iron, 20 feet in diameter by 30 feet high, adapted for glazing as a greenhouse, &c., it contained an iron-casting of the Eagle Slayer, a statuette of <i>Zeolus</i> , with ornamental fountain of cast-iron, bronzed 7 feet wide by 8 feet high, of Cupid and the Swan : the group forms the jet, and occupies the centre of a tazza, decorated with an ornamentation of the white and yellow water-lily. Ornamental chimney-piece and grate, with decorations illustrative of deer-stalking, boar-hunting, and hawking, enriched with a bronze group of the death of the stag. Bright ornamental grate, composed of burnished and spring steel front, with electro-gilt ornaments, novel panels, and mouldings, and a marble mantel-piece. Large collection of stoves, grates, ranges, fenders &c. Ornamental work. Collection of small works in foreign design, and groups and statuettes of English design.
COALBROOKDALE COMPANY	England : Coalb ookdale	Cast-iron statues, new method of bronzing steel grates, and diamond flooring for steam-engines	22	
COCKERILL, J.	Belgium : Seraing	Pair of 140-horse power vibrating cylinder engines for river navigation : locomotive engine : oscillating cylinder 8-horse power land engine : tubular boiler : vertical cylinder 16-horsepower land-engine Flowers in cambric	5	Sample of foundry pig-iron. Expansive and condensing marine steam-engine of 140 horse-power. Locomotive engine. High pressure steam-engine of 16 horse-power, with vertical cylinder. High-pressure steam-engine of 8 horse-power, with tubular-boiler. Model of a machine for lowering and lifting miners without danger. Variety of artificial flowers and branches, and a small tree, artificially perfumed, for head-dresses and wreaths. Gilt-iron columns. Quicksilver and other mirrors.
CONSTANTIN, J. Marques CHAMPTON, T. R.	France : 7 Rue d'Antin, Paris England : 15 Buckingham-street, Adelphi	Two passenger locomotive engines	29	Express locomotive engine "Liverpool." This engine contains 2,285 feet of heating surface, being 270 feet more than the largest engine on the broad gauge. Diameter of cylinder 18 inches, length of stroke 24 inches, diameter of driving wheels 8 feet. The weight of the engine empty, 52 tons, evaporation of the boiler at full work equal to 1,140 horse-power, pressure of steam 120lbs. on the square inch. The engine has a very low boiler, and the greatest weight is on the extreme wheels, which ensures steadiness.
CROSSKILL, W.	England : Beverley	Norwegian harrow, meal mill, cart, clod crusher, and gorse bruiser	9	Mills, for steam power, for grinding vegetable and mineral substances, clod crushers, drills, horse-hoe, thrashing machines, chaff-cutters, crushers, ploughs, harrows, waggon, carts, farm railways, turnip cutters, and various other agricultural implements.
DAGUET, T.	Switzerland : Soleure	Superiority of glass for optical purposes, good specific gravity, clear : crown-glass as clear as flint	10	Flint glass and crown glass in rectangular prisms. Unpolished flint and crown glass for optical uses.



NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
DARLAY, — Jun. ..	France : 16 Rue des Vieilles- Etuves-St.-Honoré, Paris ..	Gruaux and household flour of very fine quality, obtained by his novel and economical process	3	Two sacks and a barrel of wheaten flour.
DELEUIL, L. J. ..	France : 8 Rue du Pont de Lodi, Paris ..	Balance air-pump ; and an in- vention of an arrangement to keep the charcoal points in electric lights at a constant distance ..	10	{ Philosophical instruments and balances, coin-scales, air pumps, electric batteries, magneto-electric apparatus.
DELCOURT, E. ..	France : 157 Rue de Charenton, Paris	Paper hangings ..	26	Seven panels of stained papers, rolls of stained paper, and album for showing the contrast of colours.
DEMIKOFF, Messrs. ..	Russia : St. Petersburg ..	Malachite manufactures of furniture and various articles of furniture and decoration ..	27	Articles made of malachite.
DENEIROUSE, E., BOUS-GLAVY and Co. ..	France : 16 Rue des Fossés Mont- martre, Paris ..	Discovery of a new and import- ant process in the production of elaborate designs ..	15	French cashmere shawl.
DENT, E. J. ..	England : 61 Strand, 33 Cockspur- st., and 34 Royal Exchange ..	For his large turret clock, on account of strength and accu- racy attained in it, which are also accomplished by a cheaper mode of construction than in other turret-clocks of high character ..	10b c	Large church clock. Boiler plate, shears, and punch. Baling press. Embossing press. Rail straightener. Saw-tooth cutter, anti-friction machines, designed and manufactured by J. E. Homes of New York.
DICK, D. ..	America ..	Various engineers' tools and presses	10	Atmospheric recorder, for registering the changes of the atmosphere.
DOLLOND, G. ..	England ; St. Paul's-churchyard	Atmospheric recorder, by means of which the readings of the ba- rometer, those of the thermo- meter evaporator, fall of rain, direction of the wind, its strength, electric state of the air, &c., are simultaneously registered ..	6 6	Double wool-combing machine. Model of improved paper-making machine.
DONISTHORPE, G. E. ..	England : Leeds ..	Double wool-combing machine	10	
DONKIN, B. & Co. ..	England : Bermondsey ..	Paper machinery ..	6	
DUBOSQ-SOLEIL ..	France : 35 Rue d'Odéon, Paris	Very ingenious Heliostat, on a new construction ; invention of an apparatus for fixing the charcoal points for electric light. Saccharometer of deli- cate structure and much inge- nuity, and an elegant and novel instrument for exhibiting the Application of polarized light lever to a church organ ..	10	Optical apparatus and instruments.

Church-organ, with twenty stops, two rows of keys, and one pedal-stop.

10a

DUBOQUET, F. A. ..

France : Rue St. Maur St. Ger. ..



DESCRIPTION OF ARTICLES EXHIBED.

NAME	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBED.
DUNN, Count E. ..	England : London	Extraordinary application of mechanism to his steel expanding figure of a man .. of the electrolytic .. ..	10	{ Piece of mechanism intended to represent the proportions of the human figure ; it admits of being expanded from the standard size of Apollo Belvedere, to that of a colossal statue : composed of more than 7,000 pieces of steel.
LINGTON, MASON, and Co.	England : Birmingham ..	Artistic application .. ..	23	{ Specimens of electro-plated candelabra, tazzas, vases, table-ware, &c. Variety of electro-deposited sideboard, and other plate, from the antique. Electro-deposited figures, &c., in bronze.
ERARD, P. ..	England : 18 Gt. Marlborough-st. ; and France : 13 & 21 Rue du Mail, Paris ..	Peculiar mechanical actions applied to piano-fortes and harps	10a	{ New metal frames for piano-fortes. Harps. Prince of Wales's harp, richly decorated. Pianos of various patterns.
ESTIVANT, Brothers..	France : Givet .. ..	Brass of superior quality produced by a novel process ..	1	{ Brass plates and wire. Tanned leather from Buenos Ayres. Glue.
ARRAINE, W. and Sons ..	England : Manchester ..	Rivetting machine, and corn-mill	6	{ Rivetting machine. Corn-mill.
FOUNDRY, Minister of Trade for the Royal Prussian ..	Germany : Berlin ..	Three vases and candelabra, with group of figures in cast iron..	22	{ Group of figures in cast-iron. The Warwick vase, gilt inside. The Athenian vase, with figures and handles, and gilt inside. The Alexander vase, the border decorated with relief after Thorwaldsen, representing Alexander's entry into Babylon ; mounted with silver, and gilt inside.
FOURDINOIS, A. G. ..	France : 46 Rue Amelot, Paris	Carved sideboard of walnut wood	23	{ Sideboard, with dressing-table of carved walnut-wood.
FOX and HENDERSON ..	England : London and Birmingham	Great Building ; for the execution	7	{ Great Building.
FROMENT, G. ..	France : 5 Rue Menilmontant, Paris	Goodness of the work of his theodolites, and divided metre ..	10	{ Scientific instruments ; theodolite ; and various models of electro-motive power.
FROMONT and Son ..	France : Chartres.. ..	Double turbine .. ..	5	{ Improved model of a turbine, made after Fontaine's system.
JARRARD, R. and S. and Co.	England : Pantom-st., Haymarket	Artistic plate and jewellery ..	23	{ Nautilus cup, tankards, ewers, tea and coffee services, candelabra, centre pieces, table ornaments, and other specimens of gold and silver plate. Jewellery : suites of opals and brilliants ; sapphires, pearls, and brilliants ; rubies and brilliants ; tiaras, bracelets.
GARRATT and Sons ..	England : Leiston, Suffolk ..	Horse hoe, general purpose drill, four-row turnip-drill on the flat, improved hand-barrow drill for grass seeds, steam-engine and thrashing machine..	9	{ Drills, horse-hoes, thrashing-machines, portable steam-engines, hum-melling and corn-dressing machines, chaff-cutters, crushers, ploughs, corn-reaping, and harrows, and other agricultural machinery.
GEOLOGICAL, Survey department of Great Britain ..	England .. ..	Geological surveys, and maps of the United Kingdom ..	8	{ The maps of the Ordnance Survey geologically coloured by the officers of the Geological Survey of the United Kingdom.
GOBELIN TAPESTRY, Government Manufactory of ..	France .. ..	Originality and beauty of design of the different specimens exhibited for furniture, and the extraordinary excellence of the execution of most of the productions exhibited ..	19	{ Gobelin tapestry.
GONELLA, Professor T. ..	Tuscany : Florence ..	Planometer, a machine for measuring plane surfaces ..	10	{ Machine for measuring plane surfaces, executed under the exhibitor's direction.
GOODYEAR, C. ..	America : Connecticut ..	India-rubber .. ..	23	{ India-rubber goods.
GRAB, N. and Co. ..	France : Valentennes ..	Sugar obtained from beet-root by the Barytic process. .. ..	3	{ Samples of sugar, extracted by the process of Mr. Dubrunfant, from molasses.



## NAME.

## LOCALITY.

## ARTICLES REWARDED.

## Class.

## DESCRIPTION OF ARTICLES EXHIBITED.

6

GRAUX, Jean Louis..	..	France : Juvincourt ..	..	Origination of a new and valuable quality of wool, giving to the variety of merino the best quality for combing, and possessing increased strength, brilliancy, and fineness of fibre ..	4	Glazed & silk-like wool fleece, being a peculiar variety of merino sheep.
GRAY and DAVISON ..	..	England : 9 New-road ..	..	Invention in organ-building of a new method of connecting the great organ with the swell organ, by means of a pedal and a new stop, called the Keran-lophon ..	10a	Grand church organ of the first class. Small church organ. Small church finger organ, the stops contained in a swell.
GRENET, L. F. ..	..	France : Rouen ..	..	New and improved mode of obtaining a pure, inodorous, and colourless gelatine from the refuse parts of animals, and valuable and diversified modes of applying the materials, as illustrated in the collection exhibited ..	4	Glue, gelatine. Various sorts of gelatine and gelatine articles.
GRIFFITH, J. ...	..	England : Derby ..	..	Barometer, with a vacuum cupule of complete restoration by an air-trap at the top ..	10	Standard barometer.
GUERRE, Dépôt de la, à Paris	..	France	..	Great topographical map of France ..	8	Great topographical map of France.
GUYTON, A. ...	..	France : 11 Rue Chapon, Paris	..	Variety of exhibits ; and electro-plating ..	23	{ Statuettes, cups, boxes, nose-gays, pictures, sabres, swords, knives, bracelets, snuff-boxes, sweetmeats, seals, cigar-cases, cash-boxes, rings, brooches, canes, riding-whips, plates in galvanoplastic. Flagons of artificial ultramarine blue, applicable to the industrial arts and to the fine arts.
GUMMET, J. B. ..	..	France : Lyons	..	Artificial ultramarine ..	2	Gutta percha ; collection of specimens illustrative of its various applications.
GUTTA PERCHA COMPANY, the	..	England : 18 Wharf-road, City-road	..	Gutta percha ..	28	Arsenic ores, showing a process for extracting the gold from the residue of the arsenic ores.
GUTTLE, W. ...	..	Prussia : Richenstein ..	..	Treatment of arsenical ores, and the extraction of gold from them ..	1	Ebony inlaid silver table and vase. Group in massive silver. Cravatte de drapeau, embroidered in gold on Pompadour velvet.
HANCOCK, C. F. ..	..	England : 39 Bruton-st ..	..	Originality and taste in exhibits ..	23	Specimens of wrought iron work.
HARDMAN and Co. ...	..	England : Birmingham ..	..	Ecclesiastical brass work ..	22	
HARRIS, Sir Wm. Snow	..	England : Plymouth ..	..	System of lightning conductors attached to the masts and hulls of ships, which have been for several years in general use in the navy, as a means of preserving life and property from the effects of lightning ..	8	Practical models, illustrative of the system of lightning conductors constructed in this manner ..



NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
HICKMANN, C.	Prussia : Berlin ..	Vacuum apparatus for the manufacture of sugar...	6	{ Vacuum boiling apparatus for sugar refining, applicable for the manufacture of cane and beet sugars.
HUXLEY, W. T.	England : 46 St. John-street-road	Convenient and ingenious application of magnetic electricity to the purposes of electric telegraphs ..	10	{ Large permanent horse-shoe magnet, weighing 6 cwt., magneto-electric machine, electric telegraphs, worked by the magneto-electric currents.
HERMANN, C.	France : 92 Rue de Charenton, Paris ..	Set of chocolate machines ..	6	{ Machine for grinding chocolate, colours, and drugs.
HIBBERT, PLATT and Sons..	England : Oldham ..	Complete series of machines, employed in the cleaning, preparation, and spinning of cotton, showing the whole process, to the weaving, inclusive ..	6	{ Extensive series of improved machines for the manufacture of cotton. Machines used for opening and cleaning cotton. Machinery used in the manufacture of cotton yarn. Looms for weaving cotton cloth.
HICK, B. and Son ..	England : Bolton ..	Mill gearing, radial drill, engineers' machine tools, improved mandrils, portable forges ..	6	{ Radial drilling machine. Ball safety-valve. Punchings showing the power of Hicks's compound hydraulic press. Portable smith's hearth or forge. High-pressure oscillating steam-engine. Machine for cleaning and preparing grain. Improved mandrils.
HILL and Son ..	England : Tottenham-court-road	Invention of a stop of great power and for their mode of shifting the stops by means of keys ..	10a	{ Finger organ with two sets of channels, containing reed stop of immense power.
HOOLE, ROBINSON, and HOOLE	England : Sheffield ..	Drawing-room steel grates ..	22	{ Drawing room, dining room, and other register grates. Burnished steel, bronzed, and cast iron fenders. Cast iron chimney pieces, with natural fixed colours.
HORNSEY and Sons ..	England : Grantham ..	Corn and seed drill, drop drill, two row turnip drill on the ridge, oil cake bruiser, steam engine ..	9	{ Drills. Six-horse power portable steam engine. Improved portable cake-breaking or crushing machine.
HUNT and ROSKELL..	England : 156 New Bond-st.	Vase in reponsee by Vechti ..	23	{ A work in silver, showing its application to sculpture, combined with metallurgical art. Shield, embossed and chased in silver and iron. Vases, presentation plate, centre pieces, candelabra, dessert stands, cups, salvers, tazzas, caskets, &c. Watches and chronometers of extraordinary construction. Carriage and other clocks. Specimens of the various precious stones, in the rough and wrought state. Pearls.
JARY, Brothers ..	France : Beaucourt ..	Clock and watch movements made by machinery, much cheaper than any other movements, and equally good ..	10b	{ Watch-making : clock and watch works. Ironmongery.
KÄMMERER and SUEFFLAGEN KISS, A.	Russia : St. Petersburg .. Prussia : Berlin ..	Diadem in jewels .. The Amazon, cast in zinc and bronzed ..	23	{ Diadem, bouquet, berthe, and brooch of diamonds.
KLEIST, Aaron Von..	Austria : Neudeck, Bohemia ..	Iron of superior quality and manufacture ..	30	{ Group in zinc bronzed, representing an Amazon on horseback attacked by a tiger ; group in bronze on a small scale.
KUPT, Fried.	Prussia : Essen ..	Cast steel of superior and novel quality ..	1	{ Tinned sheet iron. Thin sheet iron, called iron paper.
LABOURING CLASSES, Society for Improving the Condition of the..	England ..	Sundry improvements in the construction of bricks, and the improvement of habitations for labouring classes ..	1	{ Rolling-mill, the rollers exhibited for their equal hardness throughout. Forged cast steel exhibited for purity and toughness, used for axletrees. Steel gun, 6-pounder, complete. Steel cuirass, and one tried by being fired at with six different bullets. Steel rollers, springs, and railway axle.
			27	{ Building contrivances, adopted in the construction of their model dwellings for the labouring classes, particularly that of hollow brick-work. Drawings and models of buildings erected ; and designs.



NAME.	LOCALITY.	ARTICLES REWARDED.	Class	DESCRIPTION OF ARTICLES EXHIBITED.
LARDEREL, Count F. de	Tuscany : Leghorn	Boracic acid, and method of preparing it	2	Alabasters and produce of the <i>suffioni</i> of boracic acid.
LAWSON, P. and Son	Scotland : Edinburgh	Admirably displayed, very complete, instructive, and scientifically arranged collection of the vegetable products of Scotland	3	{ Vegetable products of Scotland ; substances used for food for man and domestic animals, in the chemical arts, in medicine, in manufactures, and in house and ship building.
LAWSON, S. and Sons	England : Leeds	Numerous machines employed for the preparation of flax	6	Machinery for the preparation and spinning of flax.
LEISTLER, C. and Son	Austria : Vienna	Carved furniture in four rooms	26	Four rooms, including dining room, drawing room, ladies' library, and bed room, with inlaid floorings, and completely furnished.
LEMONNIER, G.	France : 6 Place Vendôme, Paris	Queen of Spain's jewels	23	Set of emeralds belonging to the Queen of Spain, and various articles of jewellery.
LIENARD, M. J.	France : Rue Plumet, Paris	Clock case, and other articles	26	Carved walnut-wood clock, representing a bear-hunt. Basso-relievo.
LOGEMAN, W. M.	Holland : Haarlem	Excellence of the magnets shown by him	10	Large permanent steel magnet. Electro-magnetic engine.
LONGMAID, W.	England : London	Process for treating copper pyrites with common salt	2	Rock salt, ores, &c., from Cornwall and Devon. Chemical preparations.
LUTZ, C.	Switzerland : Geneva	Watch balance springs, which were submitted to the test of stretching out & heating without affecting their form	10b	Hair springs suited to marine and other chronometers.
MACINTOSH and Co.	England : 73 Aldermanbury	India-rubber	28	India-rubber specimens, illustrative of its manufacture, and collection of manufactured articles, vulcanized and unvulcanized.
MAES, M.	France	Novelty of chemical application	24	Novelty of chemical application.
MARCHETTI, Baron	England	Richard Cœur de Lion in Plaster	30	Colossal equestrian statue of Richard Cœur de Lion.
MARINÉ, Département des Cartes de la	France : Paris	Hydrographic surveys, and maps of France, Algeria, Africa, and Corsica	8	Hydrographic engravings, plans, charts : topographical and hydrographical studies.
MARREL, Brothers	France : 27 Rue Choiseul, Paris	Seals, snuff-boxes, and smaller articles	23	{ Large gilt and oxidised vase. Dressing case, cups, hunting knives, dagger, and other gold and silver articles.
MARTENS, F.	France : 6 Rue de Pot-de-Fer, Paris	Talbotypes on glass by the albuminous process	10	Three frames with daguerreotypes.
MASON, J.	England : Rochdale	Woolen carding machine, also slubbing and roving frames	6	Hand-mule. Slubbing frame. Roving frame. Power loom. Lathe chucks. Two carding machines. Mule-loom grinding frame. Vice.
MASSON, E.	France : 8 Place St. Michel, Paris	Dried vegetables prepared by new and economical process	3	Preserved meats.
MATVAT, C. S.	France : 9 Rue de la Perle, Paris	Original designs in bronze	22	Clocks, chandeliers, and various articles in bronze.
MAUDSLAY, Sons, and FIELD	England : Lambeth	Coining press, acting by an eccentric	6	Coining press acting by an eccentric.
M'CORMICK, C. H.	America : Illinois	Reaping machine	9	Virginia grain reaper.



DESCRIPTION OF ARTICLES EXHIBED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBED.
MERCEZ, John ..	England : Acerington ..	Process of modifying the fibre of cotton by the action of caustic alkali, whereby its physical and chemical properties are altered and improved in a most remarkable manner .. Machinery for carding and spinning wools ..	4 6	Cotton cloth printed and dyed. { Spinning card, roving card, turning-lathe, emery cylinder. Loom for Refractor having 45" aper., 48" focal strength, for variable latitude ; equatorially mounted. Microscope with various object-glasses and three eye-pieces, for nine magnifying powers, from 20 to 1800 times. The instrument provided with a screw micrometer and the necessary apparatus for holding and illuminating objects.
MERCIER, A. and Co. ..	France : Louvière ..	Equatorial, combining cheapness with excellence of workmanship	10	
MEEZ and Sons ..	Bavaria : Munich..			
MILITARY TOPOGRAPHICAL Department of Austria ..	Austria : Vienna ..	Survey and detailed maps of the country in and around Vienna, and of Italy	8	Survey and detailed maps of the country in and around Vienna, and of Italy. { Colossal lion fifteen feet long and nine feet high. Two statues seven feet high, cast in bronze, and finished with the chisel: 1, Libussa, Queen of the Bohemians, anno 700 ; 2, George of Padiebrad, King of the Bohemians.
MILLER, Ferd. ..	Bavaria : Munich..	Castings in bronze of a colossal lion, and statues of Libussa and George I. of Bohemia ..	22	
MILLY, L. A. de ..	France : 52 Rue Rochecouart, Paris ..	Invention of practical methods of using lime in the manufacture of stearic candles, and the use of boracic acid in the preparation of wicks ..	29	Stearine acids and candles. Soaps.
MINES, Ecole des à Paris ..	France : Paris ..	Geological map of France ..	8	Geological map of France.
MINES ZINC, Societé des (de la Vieille Montagne) ..	Belgium : Liege ..	Specimens of zinc castings ..	22	Specimens of zinc and other ores, and metals and chemicals.
MINTON, H. and Co. ..	England : Stoke-upon-Trent ..	Encaustic tiles ..	27	A joint medal. Tiles, terra, and vases, &c., in imitation of majolica ware. Encaustic and other tiles.
MINTON, H. and Co. ..	As above ..	New application and beauty of design ..	25	Porcelain bath. Stove in ornamental brick. Friezes in porcelain. Large vase in terra-cotta. Flower pots in terra-cotta. Ornamental vases, table-ware, &c., in porcelain. Chemical utensils in hard porcelain. Raw materials used in the manufacture and ornamenting of porcelain and earthenware. Fired specimens of colours Earth-enware in the different stages of its manufacture.
MOREL, J. V. and Co. ..	England : 7 New Burlington-st..	Enamels ..	23	Equestrian statue of Queen Elizabeth, embossed with the hammer, in silver. Centre piece, in silver, of elaborate design. Oriental agate cups. Lapis lazuli cup. Vase, in rock crystal, mounted in gold and enamel, &c. Bouquet, composed of diamonds and rubies separating into several different ornaments.
NASMYTH, J. and Co. ..	England : Manchester ..	Steam hammer ..	6	Steam hammer.
NEWMAN, J. ..	England : 122 Regent-street ..	Originality, excellence, and perfection of air-pumps, and self-registering tide gauge ..	10	{ Standard barometer. Portable mountain barometer. Variety of thermometers, hygrometers, rain-gauges, safety-lamps. Air-pump. Rain and wind gauge. Self-registering tide-gauge.



# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.
NORTHUMBERLAND, Duke of	England	For having caused a large number of models of life-boats to be designed, with the view of obtaining the best form of boat for the preservation of life and property in cases of shipwreck	8
OERTLING, L.	England : 13 Store-street	Very delicate large and small balances	10
ORDNANCE Department of England	England	Illustrations of the Great Ordnance Surveys of Great Britain ; the copper-plate etchings, and electrotype process	8
PARKER, C. E. and Co.	Scotland : Dundee.	Power loom for weaving sail-cloth	6
PATTINSON, L. H.	England : Newcastle-upon-Tyne	Process for treating lead ores, and separating silver from lead	1
PAXTON, Joseph	England	Great Building ; for the design..	7
PENN, John and Son	England : Greenwich	Two pair of compact marine engines of light construction, for small vessels	5
PONTIFEX and Wood	England : Shoe-lane, Fleet-st..	Vacuum apparatus for the manufacture of sugar, in copper and brass	6
POPELIN-DUGARRE, —	France : 187 Boulevard de l'Hôpital, Paris..	Novel and economical mode of preparing vegetable charcoal from the small branches of trees, and from annual plants	4
PRADIER, J. ..	France : Paris	Phryne, in marble..	30
PRAT and AGARD	France : Aix	Salts of potass, and other products of sea-water	2
QUENNESSEY, —	France : 4 Rue de Bouloi, Paris	Platina alembic, to hold 250 pints, all in one piece, without solder or seam	10
REED, T. S. and Co.	England : Derby	New power-loom for weaving fringes without shuttles	6
RISLER, M. fils	France : Cerncy	Epurator, a machine for cleaning and preparing cotton for spinning	6
ROSS and THOMSON	Scotland : Edinburgh	Great improvements in photography	10
ROSS, A. ..	England : 3 Featherstone-buildings	Great improvements in microscopes, and for the solidity of structure, good adjustment, and size, &c., of his large Equatorial	10
	France : 5 Rue Tronchet, Paris	Silver ornaments	25
		Various objects of ornamental work and jewellery, fancy works	
		Models of life-boats competing for the prize, for which there were fifty four competitors.	
		Chemical and other balances of delicate construction.	
		Ordnance maps of England and Wales, City of Dublin, county of Lancaster, town of Liverpool.	
		Mathematical power loom for weaving navy sail-cloth and other heavy fabrics.	
		Illustrations of the exhibitor's process for separating silver from lead.	
		The design of the Great Exhibition building.	
		{ Pair of marine oscillating engines, and of marine engines on the trunk principle, for the driving of screw propellers direct. Working models of marine oscillating and trunk engines. An auxiliary, or "donkey" engine.	
		Sugar apparatus, pumps, &c., in copper and brass.	
		Artificial charcoal.	
		Marble and bronze statues.	
		Productions of the liquid salines.	
		Platina crucibles, capsules, and various other platina apparatus, on a small scale.	
		{ Power loom, for making fringes and like fabrics without the use of shuttles.	
		New preparatory machine for the winding of cotton, called an Equivalent, machine called an Epurator, with a frame containing the produce of that machine.	
		Frames containing Talbotype pictures from albuminised glass.	
		Astronomical telescope, the object-glass 11½ inches diameter, mounted on a stand, having equatorial movements and complete adjustments.	
		The optical part wrought by an improved system of machinery.	
		Astronomical telescopes. Improved microscopes, and photographic camera obscura of astronomical, work and jewellery, fancy works	



DESCRIPTION OF ARTICLES EXHIBED.

NAME.	LOCALITY.	ARTICLES REWARDED.	CLASS.	DESCRIPTION OF ARTICLES EXHIBED.
Sax, A. .. ..	France: 50 Rue St. Georges, Paris	Invention of several classes of wind instruments in wood and metal .. ..	10a 23	Musical instruments made of brass and wood. Large vase, candelabra, goblets.
SAZIKOFF, Ignace SERRET, HAMOIR, DEQUESSNE and Co. .. ..	Russia: Moscow .. .. France: Valenciennes .. ..	Centre-piece .. .. Beet-root sugar prepared by a method the result of which is to save valuable substances previously lost in the manufacture, and consequently to reduce materially the price of the sugar itself .. ..	3 25	Collection of beet-root products. Collection of serres china of the finest quality.
SEVRES Manufactory SHARP, Brother and Co. ..	France: Sevres .. .. England: Manchester .. ..	Large double lathe for railway wheels, slotting machine, and other engineers' machine tools, also a beautifully constructed ring and traveller throstle .. ..	6 10	Lathe, slotting, and self-acting planing machines. Electric telegraphs. Indicating telegraph in connexion with a pair of two printing instruments, and an intermediate excluding instrument with alarm. Railway telegraphs. New single wire telegraph. Improved Morse's telegraph, worked by secondary power. Single wire and magneto-electric telegraphs. Pair of electroscopes. Compound achromatic microscopes and apparatus. Cabinet for objects. Revolving tables for microscope.
SIEMANS and HALLSKE ..	Prussia: Berlin .. ..	Electric telegraph .. ..	10	
SMITH and BECK .. .. SPEAR and JACKSON.. ..	England: 6 Coleman-st. .. .. England: Sheffield .. ..	Excellence of microscopes Circular saws, and particularly one 60 inches in diameter, of marked and very superior excellence, manufactured by a process of peculiar merit, the result of a novel application of mechanical ingenuity recently effected .. ..	21	{ Cast steel circular saw 5 feet diameter; spring steel hand-saw 30 inches long, and a collection of other saws. Knives for machinery and other purposes. Files and rasps. American wedge axe and edge tools of all sorts. Cast steel plate for engravers, and specimens of cast steel in bars.
STUART and SMITH .. ..	England: Sheffield .. ..	Drawing-room grates on Sylvester's patent, and the novel application of revolving canopy, invented by Laurie .. ..	22	{ Grates. Register grate with revolving canopy. Fenders; fire-irons. Air stoves. Three miniature steam-engines.
TAURINES, - .. ..	France .. ..	Dynamometer .. ..	10	Dynamometers.
VADIE, - .. .. VIENNA, Imperial Court and printing office of .. ..	France .. .. Austria: Vienna .. ..	Invention of the Aneroid barometer { Novelty of invention, and the number of new combinations in the art of typography .. ..	10 17	Aneroid barometers. Specimens of typography and printing of all descriptions.
VITTOZ, E. .. ..	France: 10 Rue des Filles du Calvaire, Paris .. ..	Gilt bronzes .. ..	23	{ Artistic bronzes, chimney ornaments, clocks, chandeliers, vases; cups, and lustres.



# DESCRIPTION OF ARTICLES EXHIBITED.

Class.

## ARTICLES REWARDED.

## LOCALITY.

## NAME.

VUILLAUME, J. B.	France: 42 Rue Croix-des-Petits-Champs, Paris	New modes of making violins in such a manner that they are matured and perfected immediately on the completion of the manufacture, thus avoiding the necessity of keeping them for considerable periods to develop their excellencies ...	10a	{ Complete set of string and bow musical instruments, with bows made by machinery.
UHLHORN, H.	Prussia: Grevenbruch	Coining press ...	6	{ Three engines for coining, punching, and milling the raw materials from England and Germany; from 45 to 50 coins could be struck in a minute with a motive power equal to that of one horse.
WAGNER, J. and Son	Zollverein: Berlin	Large centre-piece ...	23	{ Table ornament in shape of a fruit-dish, 4½ feet in height, representing the degrees of civilization among mankind.
WAGNER, J. neveu	France: 47 Rue Neuve des Petits-Champs, Paris	Clock with a continuous motion for driving telescopes, and for collection of turret-clocks, which on the whole displayed great fertility of invention ...	10b	{ Clocks of different structure and mechanism, a dynamometer, and other philosophical instruments.
WALES, Prince of	England	Shield ...	23	{ Shield presented by the King of Prussia to the Prince of Wales, in commemoration of the baptism of the infant Prince, for whom his Majesty stood sponsor.
WESTHAUPT, C. M. and Sons	Zollverein	Chess board and men ...	23	{ Chess board and men.
WHITWORTH, J. and Co.	England: Manchester	Large collection of engineers' machine tools of all kinds, screw stocks, standard gauges, and knitting machine. Also machine for measuring less than the mill fourth part of an inch ...	6	{ Self-acting lathes, planing, slotting, drilling, and boring, screwing, cutting, and dividing, punching and shearing machines. Knitting machine. Screw stocks with dies and tops. Measuring machine and standard yard.
WILLIS, H.	England: London	For his application to organs of an improved exhausting valve to the pneumatic lever, the application of pneumatic levers in a compound form, and the invention of a movement in connexion therewith for facilitating the drawing of stops either singly or in connexion.	10a	{ An organ consisting of three rows of keys and two octaves and a fifth of pedals. This instrument is built upon the German plan, viz., 8 feet manuals, and 32 feet pedals; altogether it contains, in 77 stops, nearly 4,500 pipes, the largest being 6000 23 feet, the smallest C 8 of an inch. The great and swell organs are played by means of the pneumatic lever, exhibited in a vertical position, and worked without the aid of additional pressure of air. In the choir and pedal organs are introduced two newly-invented patent valves, over which the pressure of the air has but little influence. There is also introduced a patent movement in connexion with a compound application of the pneumatic lever, which brings the command of the instrument completely under the thumbs of the performer, enabling him to draw stops in combination of which there are 24 changes, thus rendering it, though elaborate, perfectly manageable. The mechanism includes several novel arrangements, and in the various bellows there are five different pressures of air.
WINFIELD, R. W.	England: Birmingham	Brass foundry work and metallic bedstead with paper rolled pillars, and chandeliers ...	22	{ Plain and ornamental cased tubes. Wire and rolled metals. Cornices. Curtain-bands and rings. Stamped brass window-cornices. Pillars and iron bedsteads and furniture. Chandeliers, bracket, gas-fittings.

The awards are given to the exhibitors in recognition of the value of the articles exhibited.

# THE PRIZE MEDAL

*Was awarded for a certain standard of excellence in production or workmanship, utility, beauty, cheapness, adaptation to particular markets, and other elements of merit being taken into consideration according to the nature of the object. There were 2,918 of these conferred as follows:—*

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
ABATE, F.	England : 3 Ernest-st., Albany-st.	Metallography	22	Specimens of a new art called Metallography ; consisting in printing on, and ornamenting, metallic surfaces.
ABRAS, Pasha	Egypt	Cereals	3	Soft white wheat of Upper Egypt.—First choice.
ABDUL, HAMID	Egypt	Raw material	—	Collection of raw produce.
ABERCARN & GWYTHEN Col- liers Company (awarded to Ebenezer Rogers)	Wales : Newport, Monmouthshire	Process for blasting	1	{ Block of Abercarn stone, very hard and durable. Blocks of Abercarn and Gwythen charcoal vein coal, and of Abercarn rock vein coal. { Apparatus, &c., used in raising these materials.
ABT, Brothers, BUENZEN, Baucciser & Co., & other exhibitors	Switzerland : Canton of Argovie	Straw plait	20	Twisted straw, willow chip, and plaits. Horsehair and manilla plaits.
ACKLAND, W.	England : 19 Dorset-st. Portman-sq.	Dividing engine	10	Plaited trimmings, feathers, flowers, bags, slippers, carpet. Machine for the graduation of hydrometers, thermometers, &c. Scales for an hydrometer, showing specific gravities and per-centages.
ACELIN, ..	France : 36 Rue Bourbon Ville- neuve, Paris	Jacquard Loom	6	{ Jacquard loom, with an apparatus for the substitution of the paper or pasteboard, with a diagram representing the details of the appa- ratus.
ADAMS, W. & Co.	America : Boston.	Lock	22	Combination bank lock.
ADAMS, JOHN	Ireland : Ballyderitt, Coleraine	Flax	4	Sample of flax.
ADAMS, W. B.	England : 1 Adam-street, Adelphi	Locomotive Engine and Railway Carriage	5	{ Light locomotive engine on four wheels. Double railway carriage for first and second class passengers. Patent spring, grease tight axle box.
ADAMSON, O. G.	Brazil	Feather Flowers	29	{ A bouquet of flowers of Brazil, made of the birds' feathers of that coun- try, with the exception of a few made of beetles' wings, in their natural colours only. The bouquet comprised specimens of the coffee, cotton, and tobacco flowers.
ADCOCK & Co.	England : 3 Princess-st Cavendish-sq.	Feathers	16	A choice collection of dyed feathers.
ADINGTON, W. H.	America : Norfolk, Virginia	Shoes for Mining purposes	20	Patent bellows, leather California boots.
ADDIS, J. B. jun.	England : 17 Charlotte-st. Black- friars-road	Carving Tools	21	An assortment of carvers' tools.



# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
ADAMS, R. ... ..	England : 210 Regent-street ... ..	Piano-forte ... ..	10a	Royal Albert transposing piano-forte, with immovable key-board, ham- mers and strings.
ADAMS & CO. Manufacturing Co.	America : New York ... ..	Steel and Iron ... ..	1	Specimens of iron and steel. Pigs of decarbonized metal. Bars of iron, and 500lbs. of assorted cast steel.
ADAMS, J. N. ... ..	England : 6 Golden-square ... ..	Cigarette Machine ... ..	6	Machines for making cigarettes and cigars.
ADT, Brothers ... ..	Bavaria : Ensheim, nr Zweibrücken ... ..	Snuff-box ... ..	29	Various works in papier maché.
ANGE & ALDRED ... ..	England : 126 Oxford-street ... ..	Fishing Tackle ... ..	29	Bows, arrows, and archery accoutrements. Fishing rods and tackle.
ARMOUR & SON ... ..	England : Halifax ... ..	Damask & Genappe Yarns ... ..	12	Table covers, damasks, articles for ladies' dresses, plain goods all worsted, plain goods worsted and cotton, ponchos, yarns.
ARMOUR, J. ... ..	Russia : Tchernigoff, dist. Souralsk ... ..	Woollen Cloths ... ..	12	Light grey cloth.
ARMOUR, H.R.H. Prince ... ..	England : Windsor ... ..	Cereals ... ..	3	Three samples of grain, grown on the Royal Farm at Windsor, con- sisting of wheat, oats, and beans, one bushel of each.
ARMOUR-JUN. ... ..	France : 19 Rue de la Vieille Estrapade, Paris ... ..	Blankets ... ..	12	Woollen, merino, and cotton blankets and counterpanes of every kind.
ARMOUR, GREENHILL & Co.	India : Ceylon ... ..	Cinnamon ... ..	3	A very fine series of cinnamon from the western province.
ARMOUR & HOTT ... ..	Amer. : Elizabeth Tn., New Jersey ... ..	Floor Cloths ... ..	19	Raw silks.
ARMOUR, M. ... ..	France : 38 Rue D'Enghien, Paris ... ..	Silk ... ..	4	Specimens of china, porcelain, &c., designed by Alfred Crowquill, S. W. Arnold, and San Giovanni.
ARMOUR, S. & Co. ... ..	England : Burslem, Staffordshire ... ..	China ... ..	25	Steeped flax and tow.
ALEXANDROVSK Manufacturing Co.	Russia : near St. Petersburg ... ..	Canvases ... ..	14	Two pairs of electric telegraphs.
the Imperial of ... ..	Scotland : 20 St. Andrew-sq., Edin. ... ..	Electric Telegraph ... ..	10	Cakes & balls of soap, liquid or cream soaps of various kinds, perfumes, Ladies and children's straw bonnets and hats of a peculiar combina- tion of material.
ALLAN, T. ... ..	France : 317 Rue St. Denis, Paris ... ..	Fancy Soaps ... ..	29	Vesta match-boxes, cigar-boxes, taper-stands, lamps, and other fancy articles in metals. Case of medals, metal-buttons.
ALLARD & CLAYE ... ..	England : 168 Cheapside ... ..	Straw hats and bonnets ... ..	20	Samples of hosiery, showing the progress of cotton-spinning for hosiery from an early period.
ALLEN, JAMES, & Co. ... ..	England : Gt. Hampton-row, Eilm. ... ..	Metal buttons ... ..	22	Figures for hair-dressers, stays, and fancy articles.
ALLEN & MOORE ... ..	England : Nottingham & London ... ..	Hosiery ... ..	20	Collection of Lingoa wood.
ALLEN & SOLLY ... ..	France : 41 Rue Mont Martre, Paris ... ..	Wax flowers ... ..	29	Bedstead.
ALLIX, A. J. ... ..	India : Singapore ... ..	Wood ... ..	4	{ Silk serges, black silk handkerchiefs, 20 hand-facing, Prussian bindings, and sewing-silk. Rich twist, dyed by W. Hammersley and Co., Leek. Netting silk, barber's twist, silk whip-lashes, needlework buttons, &c.
ALMEIDA, Messrs. ... ..	China ... ..	Bedstead ... ..	26	Embroidered muslin.
ALOCK, R. ... ..	England : Leek ... ..	Sewing silks ... ..	13	Preserved fruits and sweetmeats.
ALOCK, ROBINS & Co. ... ..	Switzerland : Canton of Appenzell ... ..	Muslin curtains ... ..	19	Bars of iron for gun-barrels, war-arms, breeches, &c., and cast-iron.
ALTHEER, J. C. ... ..	Spain : Oviedo, Asturias ... ..	Preserved fruits ... ..	29	Cotton-cloth, including ticking, sheeting, striped shirting, bleached flannel, and drilling.
ALVARGONZALEZ, R. ... ..	Belgium : Emetoa sur Bier, ... ..	Quality of iron ... ..	1	The model of a roof covered with improved tiles. { Sailing gunning punt, with water-tight hull, heads, for wild-fowl shooting, with the well apparatus. Breeches with, with improved water-tight
AMAND, JOSEPH ... ..	Namur ... ..	Cotton cloth ... ..	11	
AMORSENG Manufacturing Co.	America : Manchester, New Hamp- shire ... ..	Improved tiles ... ..	27	
AMULLER, E. V. ... ..	France : 51 Rue du Faubourg, Pels- soulères, Paris ... ..	Gunning punt ... ..	8	
ANGELA, C. ... ..	England : Tottenham ... ..			

## DESCRIPTION OF ARTICLES EXHIBITED.

## ARTICLES REWARDED.

## LOCALITY.

## NAME.

ANCION & Co.	Belgium : Liege	Collection of arms, and merit in a manufacturing point of view	8	A complete and varied collection of arms, consisting of guns, muskets, pistols, rifles, and other weapons.
ANDELE & Co.	France : Epinal	French Battles	24	Various samples of bottles.
ANDERGO, T.	Switzerland : St. Gall	Fine cambric muslins	11	Ginghams, jaconet, cotton and cottonade shawls, tartans, chinés, handkerchiefs, Nainsooks.
ANDERSON, G. & Co.	British Guiana	Sugar	3	Vacuum-pan sugar, from Plantation Ogle, East Sea Coast, Demerara.
ANDERSON, D. & J.	Scotland : Glasgow	Ginghams	11	Checked cotton ginghams, and checked cotton cravats.
ANDEEAE, ..	Prussia : Mulheim on the Rhine, near Cologne	Velvet ribbons	13	Velvets : German, Lyons, and Genoa styles : mantilla. Black figured velvet shawl. Worsteds plush for furniture.
ANDREWS, MICHAEL	Ireland : Ardayne, Belfast	Damask table cloths and napkins	14	Table cloth to be presented to the Earl of Clarendon by the Royal Society for the promotion of the growth of flax in Ireland. Table cloth of new pattern.
ANDREWS, R...	England : Southampton	Neat pony carriage	5a	Light outside car, with imitation caning on a new principle.
ANGELL, J. ..	England : 10 Strand	Enamels	23	Groups in silver of Arab merchants halting in the Desert, Sir Roger de Coverley and the Gipsies. Chased shields : the battle of Alexander and Darius. Salver : the Labours of Hercules.
ANGOLA, the Gover. of (1851.)	Portugal	Tacula wood	4	Tacula wood from Angola.
ANGRAND, ..	France : 59 Rue Meslay, Paris	Ornamental papers	17	Fancy papers and borders. Boardings of all sorts. China paper & cards.
ANGRAVE, Brothers	England : Leicester	Drawers and shirts	20	Lamb's wool hose, shirts, and pantaloons. Royal ribbed and cashmere shirts and pantaloons. Ladies' woollen vests and dresses.
APPEL, R. ..	England : 43 Gerrard-st., Soho	Anasiatic painting	30	Prints by Albert Durer : plates taken by the Anasiatic Process with impressions ; specimens of Appelotype printing.
APPERLEY, J. & D. ...	England	Cloth	12	Black cloth.
APOLLO Stearine Candle Co.	Austria : Vienna	Stearine candles	29	Stearine candles.
ARBUTHNOTT, MESSRS.	India...	Indigo	4	Indigo.
ARCHIE, J. C. ...	England : Liverpool	Collecting and arranging the cabinet of Liverpool imports.	29	Specimens of the various productions imported into Liverpool. A collection of specimens intended by the exhibitor to prove the capacity of Nova Scotia to produce steel and charcoal iron in quantities sufficient for the supply of the whole British Empire, and, in quality, equal to the best Foreign articles, but at greatly reduced prices.
ARCHIBALD, C. D., F.R.S. ...	Nova Scotia : 15 Portland-place, London	Cast iron	1	Iron, cast & pig, grey, netted, bar, and rod. Steel iron : horse-nails, &c. Steel ; bars polished, and wire. Manufactured articles, as fenders, sword blades, knives, scissors, edge tools, surgical instruments, &c. Magneto-electric machines, steam engines, and working models.
ARIMATSKY, Brothers	Russia : Novgorod	Flax	4	Flax and oakum.
ARNDT & CHANCEL...	France : Briancon, Hautes Alpes	Silk	4	White fancy combed floss silk, obtained by the preparation and carding of spinning waste and throwing silk.
ARMITAGE, & Brothers	England : Huddersfield and 80 Basinghall-st.	Woollen cloths	12	Washed black and blue elephant beavers, weighing 45 and 48 ounces to the yard, made entirely of Port Philip wools. Albert check, and Albert cloth, the two sides being different colours. Exhibition cloth 56 inches wide, weighing only 12 ounces to the yard.





# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
ARMITAGE, G. & Co.	England : Bradford	Dyes for Cloths	18	Orleans, Cobourg, and Brazilian cloth ; mohair, silk and mohair, and silk and alpaca figures. Exhibited as specimens of dyeing.
ARMITAGE, M. & H.	England : Sheffield	Anvils	22	Anvils, vices, and hammers.
ARMSTRONG, W. G.	England : Newcastle-upon-Tyne	Hydraulic crane	5	Model of hydraulic crane, steam engine, accumulator, corn-lift, and hydraulic machine for unshipping coals.
ARNAVON, H.	France : Marseilles	Common & Marseilles soap	29	Various samples of soap for exportation.
ARNSHEIM, S. T.	Prussia : Berlin	Iron safe bureau	22	Iron safe bureau : the large doors, cases, and locks, open and shut, notwithstanding their great weight, with perfect ease. Exhibited for workmanship.
ARNHEIMER, M.	France : 9 Place St. Germain des Pres, Paris	Cutlery	21	Drying frames, pruning knives, fumigating apparatus, grafting knives, hedging knives, saws, and other horticultural implements.
ARNOTT, Dr. J.	England : Baker-st., Portman-sq.	Mode of applying cold as a novel therapeutical agent	10c	Apparatus for regulating the temperature of morbid parts, and causing equal pressure. Apparatus for removing contractions or obstruction in the excretory canals.
ARROWSMITH, G. A.	America : New York	Permutation locks	22	Jennings's permutation locks.
ASKA Sugar Factory	India : Madras	Ganjam sugar	3	Ganjam sugar.
ASSAM Company	England : London	Assortment of Teas	3	Samples of teas, the produce of Assam, and entirely manufactured by natives of India.
ASTAGRAM, Sugar Company	India...	Sugar	3	Different kinds of sugar.
ASTON, W.	England : Birmingham	Buttons	22	Buttons, Florentine linen and holland, covered in silk, satin, &c. Upholstery buttons. Shell suspender gaiter, great coat buttons. Polished cut steel buttons, &c. Steel dress fasteners and ornaments. Series illustrating the manufacture of buttons.
ASTORIAN Company	England : Huddersfield	Articles made of hare fur	12	Articles made of hare fur.
ATHATH, C.	Austria : Vienna	Meerschmug articles	29	Meerschmug cigar tubes and amber mouth pieces.
ATHERTON, Charles	England : Deptford	For application of an eccentric to working expansion valves	5	{ Pair of marine steam engines of 25 horse power, planned with a view to apply the sway-beam principle of construction to driving the submerged screw propeller. Model of expansion slide.
ATKINSON, R. & Co.	Ireland : Dublin	Collection of poplins	15	{ Irish poplin Jacquard loom, with new brocading machine. Irish poplins brocaded and gold barred ; and gold tissue. Brocaded and tissue Irish poplin scarves : striped furniture, and figured tabourets.
ATKINSON, William	England : Lamb's-passage, Finsby.	Bookbinders' cloth	17	Dyed and embossed calico, for bookbinding purposes.
ATLOFF, J. C.	England : 69 New Bond-street	Economic plan of cutting leather for shoes	120	{ Ladies' shoes of various materials ; silk slippers, embroidered in gold ; ladies' silk boots, and ladies' half-boots.
ATVEY, John	England : Toulouse	Illuminating apparatus	4	Illuminating apparatus for exploring long and narrow canals.
AVENSON, De Lorme & Co.	France : Avignon	Palm fibre	2	Vegetable hair made of the leaves of the Algerian dwarf palm tree.
AVIGNON, Chamber of Com. of	Spain : Asturias	Garancue	3	Madder and madder extracts.
AVIBEL, J. . .	France : 43 Rue de Treviso, Paris	A Montanches ham	23	Hams from Aviles.
AVIBEL, C.	England : Wolverhampton	Chimney decorations	22	Bronze and gilt wood.
		Locks	22	Specimens to illustrate the rise and progress of the art of making locks, and the original method of ornamenting tin goods and paste of glass.



# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
AUBREY, Brothers ..	France: 38 Rue des Jéneurs, Paris	Laces .. ..	19	Dress, shawl, handkerchief, tippet lace lappets, piece of lace application lappets.
AUCOC, — sen. ..	France: 6 Rue de la Paix, Paris	Dressing cases .. ..	23	Ladies and gentlemen's dressing cases.
AUGLER & LEDOUX ..	France: 46 Rue des Lombards, Paris	Confectionary .. ..	29	Confectionary and articles for the use of confectioners.
AUDEMAIS, L. ..	Switzerland: Canton de Vaud...	Watches and watch movements .. ..	10b	A watch with two dials, showing the phases of the moon. A clock watch. Repeating watches. A pocket chronometer and other watches. A pistol.
AUDOT, L. D. ..	France: 81 Rue Richelieu, Paris	Dressing cases .. ..	23	Work-boxes of all sorts for travelling and other purposes.
AUDOT, E. J. ..	France: 81 Rue Richelieu, Paris	Dressing cases .. ..	23	Work-boxes of all sorts for travelling and other purposes.
AUZOUX, Dr. L. ..	France: Rue de l'Observatoire	Anatomical models .. ..	10c	Work-boxes of all sorts for travelling and other purposes.
AYERS, W. ..	England: Newport-Pagnell ..	Wide thread lace .. ..	19	Animal models calculated to aid the study of anatomy, human and comparative.
BACCHUS & Co ..	England: Birmingham ..	Cut Glass .. ..	24	Specimens of Buckinghamshire pillow lace pieces.
BACH, G. F. & Son..	Saxony: Buchholz ..	Fancy gimps & silk fringes .. ..	19	Glass flower-stand, with vase and cornucopias: vases, decanters, tazas, wine-glasses, champagne glasses, and goblets, claret-jug, &c.; white, coloured, and cased, cut, engraved, enamelled, Fringes; white cottons, ball, coloured ball, half silk bullion, half net, half sewing, sewing silk fringes; a large number of different patterns, Crêtes: half silk, worsted and cotton crêtes, trimmings, half silk, sixty patterns. Exhibited for cheapness and execution.
BACHE, Professor, A.D. ..	America: Washington ..	Balance .. ..	10	Standard weights, measures, and balances.
BACOT, P. & Sons ..	France: Sedan ..	Cloth .. ..	12	Satin cloths and kerseymeres.
BADIN, J. C. F. ..	France: 337 Rue St. Denis, Paris	Feather baskets .. ..	28	Basket work, and hats of diamond-like feather tissues.
BAGNALL and Jesson ..	England: West Bromwich ..	Coal .. ..	1	Column of South Staffordshire thick coal, showing the different working seams as they exist in vertical section.
BAGNALL, J. and Sons ..	England .. ..	Rod Iron .. ..	1	Specimens of pig, bar, and refined iron. Staffordshire bar iron, Pentwyn rails, lap welded boiler tubes, enamelled corrugated sheets, tin and term plates.
BAGUER, — ..	Russia: Kertch ..	Cereals .. ..	3	Hard wheat, called Arnaout.
BAILEY, J. ..	Canada: Sherbrooke ..	Palls .. ..	28	Several pulis.
BAILY & Sons ..	England: 71 Gracechurch-st. ..	Cast-iron staircase work, } brass-work .. ..	22	{ A gothic church stove. Saloon grate, with dogs and fender. Gothic stoves, with brass dogs, &c. Gothic chandelier. Old English door handles, locks, &c. Cast iron stair-case work. Metal panels, &c. Improved pedestal stove, with candelabrum.
BAILY, E. H., R.A., F.R.S.	England .. ..	Statuary .. ..	30	{ A nymph preparing for the bath; and a youth resting after the chase; in plaster.
BAINES, W. ..	England: Birmingham ..	Railway switches and chair .. ..	5	{ An improved railway switch. Improved joint chair. Improved intermediate chair.
BAKER & Co. ..	England: Birmingham ..	Flower-stand and cages ..	22	{ Flower-stands. Plate and dish covers. Wire-gauze fire guards. Squirrel cage, with bells. Fancy window-blind patterns. Gauze Day lamp. Mattress and sofa springs. Brass and iron weaving.
BAKER, B. J. ..	America: Boston ..	Light harness of superior workmanship .. ..	16	{ Specimens of harness.





# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
BARRETT, EXALL, & ANDERSON	England : Reading	Thrashing machine and patent gear. Linseed and corn crusher ..	9	Portable farm steam-engine, with expansive movements. Portable and other thrashing machines for horse-power. Hand-power thrashing machine. Improved corn and grinding mill. Two varieties of one-horse carts. Hay-making machine. Cavalry horse with tools and specimens of horses' feet and shoeing. Safety horse gears. Norwegian harrow. Utley cultivator. Circular and iron harrows. Crushing mills. Oil-cake mill. Paragon chaff-cutters. Iron lifting-crab. Read's sub-pulverizer. Improved ploughs. Barley hummer. Model of engine and machine house for a farm of 400 to 800 acres, with machines as arranged for work. Specimens of ecclesiastical binding, in carved wood and polished oak, with electro-type mountings, solid metal covers. A variety of locks for doors, drawers, safes, &c., on various principles. Fancy keys.
BARRETT and Co. ..	England : 173 Fleet-st. ..	General bookbinding ..	17	Push and silk velvets for hats.
BARON and Son ..	England ..	Locks ..	22	Lady's desk in renaissance style. Lady's work-table in rococo style. Needles and fish-hooks of every description, with specimens exhibiting the different stages in the process of manufacture. Specimens of taxidermy. Life size model of the dodo.
BARTH, MASSING, & PUNCHON	France : 29 Rue du Temple, Paris	Black silk plush for hats	13	
BARTH, Brothers ..	Bavaria : Würzburg ..	Lady's work-table ..	26	
BARTLET, W. and Sons	England : Redditch, nr Birmingham	Needles and fish-hooks ..	22	
BARTLETT, A. D. ..	England : 16a Gt. College-st., Cambridge-town ..	Taxidermy ..	29	
BARTUM and PATTYMAN ..	England : Brick-hill-lane, Upper Thames-st. ..	Wrought copper-nails ..	22	Wrought copper nails, roves, rivets, and washers. Porcelain of different patterns, comprising turquoise, dishes, plates, tea and coffee services, night lamps, wash-hand jugs and basins.
BASTO, PINTO, and Co. ..	Portugal : Aviero ..	Porcelain ..	25	
BATHIER, V. ..	France : à la Souverainne ..	Novelty and cheapness in the production of wooden shoes ..	20	Wooden shoes of different shapes and sizes. Ores of uranium, nickel, vanadium, and cobalt, oxide of iron, and various minerals.
BATKA, Wenzel ..	Austria : Prague ..	Metallic preparations ..	2	Chemical and philosophical apparatus. An electro-magnetic apparatus by Professor Petrina. An apparatus for trying beer by Dr. Steinhell.
BATKA, W. ..	Austria : Prague ..	Chemical apparatus ..	10	Preserves, pickles. Steel for springs and other purposes. Silk studs ; velvet for waistcoats, aprons, handkerchiefs. Exhibited for cheapness and quality. A standard measure after Bessel. An ordinary yard measure.
BATTY and FEAST ..	England : 15 and 16 Finsby-py-mnt	Pickles ..	3	
BAUDRY, A. T. ..	France : Athis, Mons ..	Quality of steel ..	1	
BAUMAN & STREULI	Switzerland : Canton of Zurich ..	Plain and armure silks and glacé gros-de-Naples ..	18	
BAUMANN, T. ..	Prussia : Berlin ..	Comparteur ..	10	
BAUP, H. ..	Switzerland, Vevey, Canton of Vaud	Meats preserved by simple desiccation ..	3	
BAUB, Brothers ..	Württemberg : Eibersach ..	Confectionary ornaments ..	29	Beef, mutton, veal, and fish, preserved in their natural state. Pastils, and confectionary goods, tragacanth flowers, and birds with real feathers.
BATTE, T. F. ..	Switzerland : Geneva ..	Mechanical singing birds ..	29	Presse-papier, in gold-enamelled, rococo style ; the base ornamented with painted views, groups of flowers painted in enamel upon gold, with a mechanical singing bird.
BAUWENS, L. F. ..	England : Wakefield ..	Fat acids recovered from waste suds of woollen, silk, and cotton manufactures ..	4	Products of various patent processes used in extracating pure oils and greases from the refuse soap-suds of woollen, silk, and other manufactures.



NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
AY, Paul de	Belgium : Brussels	Pointes de Paris nails, &c.	22	Samples of nails called pointes de Paris made of fine brass and copper wires.
AYARD, H. . .	France : 81 Rue de la Paix, Batignolles	Talbotypes . . .	10	Photographic drawings in frames.
BAYVET, Brothers and Co.	France : Choisy le Roi . .	Assortment of Morocco, roan, and calf leather . .	16	Leather, and Morocco leather.
BAZIN, — sen.	France : Mesnil St. Germain . .	New variety of wheat, and an important collection of agricultural produce	3	Samples of wheat in the ear and in seed;
BAZIN, Xavier	America : Philadelphia . .	Fancy soaps . . .	29	Perfumery and soaps.
BAZLEY, T. . .	Cape of Good Hope . .	Cotton . . .	4	Three bales of cotton from Port Natal.
BEARDSSELL, C. and Co.	England : Holmbridge . .	Woolen cloths . . .	12	Woolen pantaloons, plain and fancy.
BEARDSSELL, Isaac and Co.	England : Thongsbridge . .	Woolen cloths . . .	12	Woolen broad coating made of Australian and Silesian wool. Fancy woolen trousers.
BEAULIEU, A.	Belgium . .	Theodolites and sextants	10	Philosophical instruments.
BEAUVAIS, C. . .	France : 18 Rue Notre Dame de Nazareth, Paris . .	Silk . . .	4	Raw silk.
BECK and SONS	Belgium : Courtray . .	Valenciennes lace . .	19	A collection of broad and narrow Valenciennes laces of good fabric.
BEDINGTON and TONKS	England : Birmingham . .	Brass work, various	22	Brass foundry consisting of hinges, ventilators, bolts, bell-cranks, pulleys, castors, chair-arms, stair-rods, desk-rails, window-fittings.
BEE, J. F. . .	British Guiana . . .	Cotton and woods . .	4	Cotton, hard and loose seed, cleaned and uncleared from Woodlands, Demerara.
BEECHING, J. . .	England . . .	Life boat . . .	8	Design of a life boat, recommended for the prize of 100 guineas, offered for the best life boat by the Duke of Northumberland.
BEECHROFT, BUTLER, and Co.	England : Leeds . . .	Railway wheels and axles	5	Entire wrought iron railway wheels, with solid wrought iron bosses, forged in one piece, tyres and axles bent cold. Improved axle-trees, improved movable eccentric tumbler.
BEERNAERT, Antoine	Belgium : Brussels . .	Oak cabinet . . .	26	A pile of five stones of Gobertange. Carved oak press for arms.
BEISSEL, S. and Sou	Prussia : Aix la Chapelle . .	Needles of English steel	22	Samples of needles manufactured from Sheffield steel, rolled and drawn into wire in Germany. Fancy bodkins, knitting pins.
BELL, John . . .	England . . .	Statuary . . .	30	Model for statue of Lord Falkland for the new palace at Westminster ; and bronze cast of the Eagle Slayer.
BELL, T. . .	America : New York . .	Soft wheat . . .	3	Farm products : spring, soule, Mediterranean and Baid white flint ; barley, rye, buckwheat, oats, Indian corn, Indian corn in the ear, broom corn, flax, millet, clover, and timothy seeds, Groom brush.
BELLANGE, A. L. . .	France : Rue de Marais, St. Martin, Paris . .	Inlaid buhl furniture . .	26	Articles of furniture in buhl.
BELLEVEILLE, Brothers	France : Nancy . . .	Starch, &c.	4	A jug containing starch.
BELLOS, Joseph and Co.	France : Lyons . . .	Black satins and taffetas	13	Figured silks.
BELVALETTE, Brothers	France : Boulogne . . .	Stanhope or sporting pheasant . . .	5a	Hunting and other carriages of excellent design, and well finished.
BESHAM and Son . .	England : 19 Wignmore-st.	Cooking apparatus . .	22	Roasting range with built-in boiler, hot smoke jack. Hot plate and broiling stand. Boiling water boiler, vegetable steamer, &c., copper warm and steamer boiler.

# DESCRIPTION OF ARTICLES EXHIBED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	
BENKOWITS, Marie ..	Austria : Vienna ..	Embroidered crape on white silk .. ..	19	{ An embroidery of crape thread on white gros de Naples, representing benequence. An embroidery of wool and silk representing the grave of the fallen soldier.
BENNATI, J. ..	Sardinia : Genoa ..	Fillingree .. ..	23	{ Figure, with a pedestal, of Christopher Columbus, in silver filagree.
BENNETT, J. and A. ..	England : Huddersfield ..	Woolen cloths of new materials .. ..	12	{ Cloths from Prussian and Cashmere wools. Double Napier cloths of Vienna wool.
BENSCH, TWENTYMAN, and Rigg ..	England : 77 Wood-st. ..	Gimpes, fringes and cameo braids .. ..	19	{ Ribbons, gimpes, fringes, trimmings, silks, handkerchiefs, satin wire, bullion, and gimp for manufacturing purposes.
BENOIST, MAIOT, and WILBRAUNE ..	France .. ..	Flannel .. ..	12	{ Fine flannels.
BENOUT, A. ..	Sardinia : Cluses ..	Watches, and tooth-polishing machine .. ..	10b	{ Machines used in the manufacture of watches. Specimens of watch-work. High pressure steam-engine. Measuring apparatus for railroads.
BENSON, W. ..	England : 133 Oxford-st. ..	Selection of raw and manufactured tobacco ..	3	{ A fine selected series of varieties of American and other tobacco, consisting of Flor de Cabanas, Martine, Havannah cigars, and samples of tobacco.
BENTALZ, E. H. ..	England : Heybridge, Essex ..	Cultivator dynamometer ..	9	{ Broushare and subsoil plough, mangle or ridge hoe, double Tom with wrought iron beam, N. G. H. plough, gold hanger plough. Dynamometer.
BENTLEY, W. H. ..	England : Bedford ..	Cooking apparatus ..	22	{ Garden irrigator, cooking apparatus, self-acting kitchen range, apparatus for sweeping chimneys, universal tea-kettle, alarm locks, registered stove, improved coffee-pot, and filtering cistern.
BENZONI, Gio Maria ..	Italy : Rome ..	Statue .. ..	30	{ Marble statue of gratitude.
BERANGER, Antoine ..	France .. ..	Painting on China .. ..	30	{ Head on porcelain, and portrait of Prince Albert on china.
BERANGER, J. and Co. ..	France : Lyons ..	Weighing machines .. ..	5	{ Scales, weighing machines, and various other implements for weighing.
BERGER, Joseph and Son ..	Austria .. ..	Shawls .. ..	15	{ A collection of shawls, and a square of Kashmir wool, worked with gold.
BERGER, S. ..	England : Bromley ..	Rice starch .. ..	3	{ Berger's rice starch.
BERGMANN and Co. ..	Prussia : Berlin ..	Dyed Berlin woolen yarns ..	18	{ Worsted zephyr yarns.
BERLIOZ and Co. ..	France .. ..	Fine mirror .. ..	24	{ Looking glasses.
BERNARDEL, — sen. ..	France : 21 Rue Croix des Petits Champs, Paris ..	Violin .. ..	10a	{ Violins, violoncelli, altos, fiddle-sticks, and strings for musical instruments.
BERNHARD, W. ..	Saxony : Leipzig ..	Woolen cloths .. ..	12	{ Woolen stuffs, buckskin for paletots and great coats. Calmues.
BESENI and MELLARD ..	England : Southwark ..	Hats .. ..	20	{ Military and court hats. Ladies riding hats, plush hats, and velvet folding opera hats.
BERNIMOLIN, N. and Brother ..	Belgium : Liege ..	Guns .. ..	8	{ Double barrelled guns and pistols.
BERNOVILLE, LARONNIER, and CHENESE ..	France : 23 Rue des Jeuneurs, Paris ..	Fancy fabrics printed in steam colours .. ..	18	{ Combed wool, woollen yarn, unbleached and dyed tissues, printed and figured.
BEER and Co. ..	France : 17 Rue de Clery, Paris ..	Robe shawl, scarf, veil, Berthe cape, &c. ..	19	{ Net embroidery and muslin of all sorts.
BEERIS, Brothers ..	France : 73 Rue Montmartre, Paris ..	Designs for shawls .. ..	30	{ Designs of all kinds of Cashmere shawls.
BEERY, B. and Sons ..	England : Bowling, near Bradford ..	Machinery for manufacturing worsted .. ..	6	{ Machinery for the manufacture of worsted yarns.



# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
BERT, J. J. and Co ..	Spain : Madrid ..	Stearic candles ..	29	Various acids, stearine candles, soaps, wax-lights, and vegetable wax-candles, or stearine prepared from oils. White oil soap. Yellow oleine soap.
BERTAUD, Jun. ..	France : 32 Rue de Bretagne, Paris ..	Slices of crystals ..	10	Experimental crystals, spath, quartz and crown prisms, achromatic objectives.
BERTCHE, CHESNON, and Co. ..	France : Sedan ..	Fancy doeskins ..	12	Cloths of all colours, kerseymeres, satins, articles for paletots, fancy goods.
BERTHAULT ..	France : Issoudun ..	Parchment and vellum ..	16	Parchments of various sorts for bookbinding, coverings, boxes, sheaths, printing.
BERTHELOT, N. ..	France : Troye ..	Circular hosiery frames ..	6	Two circular looms for the weaving of hosiery, and specimens of work.
BERTHELOT and BONTE ..	Belgium : Courtray ..	Handspun flax yarn ..	14	Flax thread made by hand, called Fil de Mulguinerie.
BERTHON, Rev. E. L. ..	England Fareham ..	Perpetual log clinometer } and collapsible life boat }	8	Models of perpetual log for indicating the speed and lee-way of ships, and of his clinometer for showing the list or inclination and trim of ships, and also for a collapsible life-boat of a portable and useful description.
BERTINI, G. ..	Austria : Milan ..	Painted window ..	30	Great painted window representing Dante and some of his ideas.
BERTONNET ..	France : 65 Passage Choiseul, Paris ..	Sporting guns and arms ..	8	Guns of several kinds, damasked and carved rifle guns, drawing-room pistol, pistol with carved barrel.
BERTRAND, GAYET, and DE-MONTAT ..	France : Lyons ..	Chiné and figured silk shawls scarfs and cravats ..	13	Figured silks, shawls, neckerchiefs, scarfs.
BESLEY, R. and Co ..	England : Fann Street ..	Types ..	17	Specimens of printing types. A complete set of Elizabethan or church text, with initial letters of the Tudor period. Typographical ornaments taken from the remains of Nineveh and Etruria. Court-hands, Persian, Syriac, and Arabic. A type-founder's mould, matrice with types attached.
BESNARD, RICHOUX, & GENEST BESSENER, H. ..	France : Angers England : Old St. Pancras Road ..	Hemp &c. .. Centrifugal machine for refining sugar ..	4 6	Various specimens of hemp ropes, and cords of all dimensions. Vacuum slate table for holding plate glass during grinding and polishing. Centrifugal machine for separating molasses from crystals of sugar.
BESSON, G. A. ..	France : 7 Rue des Couronnes, Paris ..	Various metal musical instruments ..	10a	Cornet-a-piston in brass and silver, ophicleide.
BETHUE, J. ..	England : Westminster ..	Preserved woods ..	4	Wood saturated with oil of tar.
BETTONIES, M. de ..	France : St. Amand les eaux ..	Porcelain ..	25	Porcelain vases (soft biscuit), ornamented and mounted in bronze ; flower stands.
BETTS, A. ..	England : Royal Exchange England : King Wm. Street, City ..	Two violins Furs and skins ..	10a 16	Two violins. Sheep wool, and Angora goat mats for hearthrugs, carriages, &c., furs, including cardinals, muffs, coats, &c., natural and dyed.
BEYERLE ..	France : 44 Rue Mazarin, Paris ..	Cylindrical lenses ..	10	Concave glasses, polyprisms, lenses, eyeglasses.
BEYERS and Co. ..	Saxony : Zittau ..	Damask cloths and napkins ..	14	Linen damask table cloths, tray cloth, with napkins and doyleys, raw, white, and bleached.
BIANCHI, G. ..	Tuscany : Florence ..	Table in Florentine mosaic ..	27	A round table in mosaic, the table represented a wreath with the Florentine lily in the centre.
BICKFORD, SMITH, and DAVEY ..	England : Cornwell ..	Safety fuse ..	1	Several kinds of safety fuses, adapted to convey fire to the charge in blasting rocks or for other uses, consisting of raw streptoc.

DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.
DEGRIFF, P. . . . .	Austria : Venice . . . . .	Venetian glass . . . . .	24
RISO, H. and Son . . . . .	England : 29 Leicester Square . . . . .	Collection . . . . .	10c
RIGGS, H. W. and SON . . . . .	England : Leicester . . . . .	Specimens of low priced hosiery . . . . .	20
PILLET and HOOFF . . . . .	France : 43 Rue du Sentier, Paris . . . . .	Yarns . . . . .	12
BILSON and HAMES . . . . .	England : Leicester . . . . .	Thibet wool, low Panisier . . . . .	20
BOLLEY, F. and Son . . . . .	Belgium : Verviers . . . . .	Piece-dyed cloth . . . . .	12
BURCH, J. . . . .	England : Regent's Park . . . . .	Machine for cutting machine sash bars . . . . .	6
BIRD, W. and Co. . . . .	England : St. Martin's Lane, City . . . . .	Collection illustrating iron trade . . . . .	1
BIRKIN, R. . . . .	England : Nottingham . . . . .	Bobbin net lace machine with Jacquard . . . . .	6
BIRNBAUM, Jacob . . . . .	Austria : Pestu . . . . .	Hemp . . . . .	4
BIRRELL, David . . . . .	Scotland : Dunfermline . . . . .	Damask table cloths and napkins . . . . .	14
BISCHOFF and KROBUS . . . . .	Prussia : Linz on the Rhine . . . . .	White lead . . . . .	12
BISCHOFF, C. and J. . . . .	Switzerland . . . . .	Black taffeta, &c. . . . .	13
BISHOP, F. . . . .	India : Tanjore . . . . .	Fixed oils . . . . .	4
FISSE, Louis Emile . . . . .	Belgium : Anderlecht nr Brussels . . . . .	Oils . . . . .	4
BLACK, James and Co. . . . .	Scotland : Glasgow . . . . .	Printed muslins and fancy fabrics . . . . .	18
BLACK, J. . . . .	Scotland : Edinburgh . . . . .	Paper folding machine . . . . .	27
BLACKBURN, B. . . . .	Ireland : Kerry . . . . .	Slate Slabs . . . . .	6
BLACKWELL, S. and R. . . . .	England : 256 Oxford Street . . . . .	Phaeton Harness . . . . .	16
BLACKWELL, S. . . . .	England : Dudley . . . . .	Iron ores . . . . .	1
BLAESER, G. . . . .	Prussia : Berlin . . . . .	Statue of Beethoven . . . . .	22
BLAIR, D. . . . .	British Guiana . . . . .	Cotton . . . . .	4
BLAKE and PARKIN . . . . .	England : Sheffield . . . . .	Saws and files . . . . .	21
BLAKELEY, Edward, T. . . . .	England : Norwich . . . . .	Shawls and barege scarfs . . . . .	15
BLANCHARD, M. H. . . . .	England : Westminster Road . . . . .	Terra cotta . . . . .	27
BLANCHET, Brothers & KLEBER . . . . .	France : Rives . . . . .	White and coloured papers . . . . .	17
BLANZY, POUTE and Co. . . . .	France : Boulogne-sur-mer . . . . .	Metallic pens . . . . .	22

Cast glass, stained window-frames, enamelled stones, artificial precious stones, beads, glass buttons, lustre pendants.

Artificial legs, crutches, bands, trusses, and various descriptions of surgical and anatomical instruments.

Worsted, lambs-wool, royal ribbed and cashmere shirts, and drawers, hose, &c. Guernsey and Jersey frocks, Fancy polka coats. Lisle thread, silk mixed cashmere, &c., gloves.

Combed wool and woollen yarn.

Children's socks and hose.

Several pieces of smooth cloth, cashmere, tweed, satin Berry.

Machine for cutting roof and sash bars.

Specimen of pig, bar and refined iron, Staffordshire bar iron, Pontyrn rails, lap-welled boiler tubes, enamelled corrugated sheets, tin and term plates, &c.

Machine for the production of bobbing net lace, &c., black silk lace edgings, &c. white silk blondes, edges, insertions.

Prepared Hungarian hemp.

Table-cloths of fine Flemish flax yarn.

White lead and white zinc, Kremscrweiss pure carbonate of lead.

Black satin, gros du Rhin, Serge.

Fixed oils.

Animal and vegetable oléine.

Printed cambrics, mousseline-de-laines, bareges.

Paper folding machine.

Specimens of slate slabs from the island of Valentia, sash bars, roof ridge, park, or garden seat, slate table.

Cab or phaeton harness of black patent leather, improved fetlock leg, and speedy cut-boots.

A collection of all the iron-ores of the United Kingdom.

Statue of Beethoven in bronze. Equestrian statue of the Emperor of Russia in bronze.

Cotton cleaned and uncleaned from plantation Batavier, Mahica river.

Improved cast-steel files and rasps. Improved cast steel saws, knives, &c. for paper-makers, cloth-manufacturers, tobacco manufacturers, cork-cutters, tanners, carriers.

Norwich cashmere green scarf shawl, gold introduced. Shawls of cashmere wool, Anglo-Indian scarfs, shawls, dresses, brocade.

Terra cotta, Ionic capital, Gothic pinnacle. Model of the Yarrowburgh testimonial.

White and coloured paper sized and unsized.

Steel-pens of every shape.



## NAME.

## LOCALITY.

## ARTICLES REWARDED.

## Class.

## DESCRIPTION OF ARTICLES EXHIBED.

BLECH, STEINBACH & MATZ	France: Mulhouse	Mousseline-de-laines, &c., in madder colours..	18	Printed cotton goods.
BLEEKRODE, Professor S. . .	Netherlands: Hague	Oxide of zinc ..	2	Patent white paints from oxide of zinc. Yellow chromate of zinc.
BLEWS, and Son ..	England: Birmingham ..	Ship lamps and bells ..	22	Green oxide of zinc. Chloride of zinc.
BLISS, William ..	England: Chipping Norton ..	Shawls ..	15	Brass candle and slip lamps, candlesticks, imperial measures and weights, bells, scuttles.
BLODGET, S. C. ..	America: New York	Sewing machine ..	6	Kersey check webbing, &c., for horse clothing. Tweeds for trousers.
BLONDEL, GASTON and Co.	Sardinia: Turin ..	Rice ..	3	Alpa Vicuna beaver cloth, and royal shawl. Angola and beaver shawls. Coverlets for beds.
BLUNDELL, SPENCE and Co.	England: Hull ..	Painters' colours ..	2	Specimens of various qualities of rice.
BLUNDELL, —	India	Woods ..	4	Colours for oil painting and paper staining. White ox-chloride of lead. White zinc paint. New drying oil. Anticorrosive and stucco paints. Dryer. Composition for ships' bottoms. Oils, black-lead, and varnishes. Hydraulic seed presses.
BLUNT, Henry ..	England: Shrewsbury ..	Model of Erislothenos } Moon ..	10	Collection of Indian woods.
BLYTHE, R. ..	England: Park Lane ..	Saddles ..	16	{ Model of a lunar crater (Erislothenos), diameter of the crater about 28 miles.
BOAS, Brothers ..	France: 4, Rue Vide Cousset, Paris	Indian shawls ..	15	Lady's saddle, and hunting or park saddle, with improved elastic seat. Harness pad.
BOBEE and LEMIRE ..	France: Choisy le Roi ..	Acetic acid, and acetates ..	2	Brocaded cashmere of Indian wool yarn, and worsted shawls. Chemical products.
BOCKMÜHL, Brothers, SCHLIEPER, and HECKER..	Prussia: Elberfeld ..	Printed calicoes ..	18	Patterns of printed calicoes, various colours, including rose, lilac, green, blue, orange, geranium.
BOECKER, R. and H.,	Prussia: Remscheid ..	Hardware ..	22	Hardware and cutlery: files, locks, scale beams, skates, shears, saws, &c. Patterns of drawing, chopping, and cooper's knives, cleavers, saws, scythes.
BOESCHE, C. J.,	Prussia: Magdeburg ..	Fountains and models ..	30	Models: the cathedral at Magdeburg, made of lime-tree wood, the spring at Nuremberg, and one of an original spring.
BOLAND, A. . .	France: 52 Rue St. Louis, Paris	Knending machine ..	6	A mechanical kneader, adapted to mixing and washing.
BOLENIUS and NOLTE	Prussia: Bielefeld ..	Fine linens ..	14	Samples of linen yarn, bleached linen, and bleached linen drill, linen pocket-handkerchiefs.
BOLINGROKE, C. and F.	England: Norwich	Poplins ..	15	Plain, striped, and watered poplins.
BOLTON, T. . .	England: Birmingham ..	Brass and copper tubes ..	22	Specimens of the process of manufacture of wire and tubing, locomotive and manifold drawn tubing, brass solder.
BONAEDEL, Brothers ..	Prussia: Berlin ..	Jacquard and punching machine for Jacquard card	6	Jacquard machines, machine for stamping patterns for Jacquard work. Machine for cutting corbs.
BOND, S. . .	America: Tennessee	Cotton	14	Specimen of ginned cotton.
BONFACI, —	England: 76 Fleet-street	Cloth-book-binding ..	17	Specimens of bookbinding, showing the present state of the art.
BONFACI BOU BON ..	France: Calcutta ..	Chemical ..	18	Flower fabrics, umbrellas and lawn.
BONFACI, —	France: Calcutta ..	Chemical ..	18	Flower fabrics, umbrellas and lawn.



DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
BONNET, — Jun.	France : Rue Chemin de Ronde de la barrière Menilmontant, Paris	St. John in enamel ..	30	Chemical apparatus and crucibles for casting in refractory earth.
BONNETON, J.	France : St. Vaillier ..	Orgauzine for plush & satin ..	13	Raw and thrown silks, and silk cocoons.
BONTEM, —	France : 8 Rue de Cléry, Paris ..	Mechanical birds..	29	A bronze clock, surmounted with mechanical birds. Group of mechanical birds.
BOUYER, J. H.	England : 14 Stanhope-street ..	Locks ..	22	Venetian ventilators. Three bolt morrice and rim locks. Various other locks, fastenings.
BOOTE, T. and R.	England : Burslem ..	Parian vases ..	25	Portland vase, fawn ground, white figures, about three feet high, vases, groups of flowers and statues in Parian. Parian bust of Sir Robert Peel. Doric mosaic vases. Azure Grecian, and fawn jugs, inlaid with white, traced in gold.
BORE, Brothers	France : 27 Boulevard Poissonnière Paris ..	Hollow brick machine ..	6	Tubular bricks of whatever shape and size, and machines to manufacture them.
BORIE, Brothers	France : as above ..	Tubular bricks ..	27	As above.
ROSGHETTI, Benedetto	Rome ..	Table in Roman mosaic ..	27	Two mosaic tables of three feet diameter each.
BOSSARD, J.	England : Bermondsey ..	Curried calf leather ..	16	Leather : boot fronts.
Bossi, J.	Austria : Veit ..	Fancy Fabrics ..	18	Shawls, scarfs, and dresses printed in steam colours.
Bossi, J. P.	France : 26 Rue St. Hyacinth St. Michel, Paris ..	Inlaid marble table ..	27	Marble table in mosaic work.
BOTTINELLI, G.	Austria : Milan ..	Mantelpiece ..	27	Three marble mantelpieces richly ornamented. Model in plaster of a mantelpiece.
BOTTOMLEY, M. and Son	England : Halifax ..	Figured goods ..	12	Figured Angora and gauze lace, composed of mohair and silk. Figured mohair lustre, and Orleans of worsted and cotton mohair, and Orleans Serge Mohair lustre.
BOUCHER, E. and Co.	France : 15 Rue des Vinaigriers, Paris ..	Culinary vases ..	22	Culinary vases, hardware and trellis, tinned by electro-chemical process.
BOUCHER, T.	Belgium ..	Gas retort ..	27	Fire-clay retort for gas. Sagger for baking porcelain.
BOUCHERIE, J. A.	France : 4 Rue Mondrie, Paris ..	Preserved wood ..	4	Various kinds of wood dyed by a chemical process, which tends to their preservation.
BOUCHEZ-Pothier	France : Warmeriville ..	Merinos ..	12	Dyed and unbleached merino fabrics.
BOUDON, L.	France : St. Jean du Gard ..	Silk ..	4	White and yellow silk for bolting cloth, web and satin orgazine, gauze, and other articles.
BOUHARDET, C. P.	France : 70 Rue de Bondy, Paris ..	Carved billiard table ..	26	Carved billiard-table with appointments.
BOUILLETTE & HYVELIN & Co.	France : 47 Rue St. Avoye, Paris ..	Artificial stones ..	23	Frontlet composed of seven brooches, stomachers, bracelets, brooches, and other articles of gold and silver jewellery set with stones.
BOUTON and Son	England : Redditch ..	Needles and fishhooks ..	22	Needles, steel meshes, surgeons' needles, sail hooks, bodkins, harpoons, spears, and grains for whale fishing, fish-hooks.
BOURGEXY, Madame	France : 24 Rue Hauteville, Paris ..	Carton-Pierre models ..	26	Painting in relief. Paintings of fruit and detached fruit. Pathological anatomical subjects.
BOURGOGNE, J.	France : 2 Rue d'Arcole, Paris ..	Microscopic preparations ..	10	A series of microscopic preparations.
BOURNE, J.	England : Derby ..	Stoneware ..	13	Articles manufactured from fine stone-ware clay. Garden labels.
BOUYARD and LANÇON	France : Lyons ..	Specimens from their looms ..	25	Figured silks, satin, and damask, lustring, brocatelle.
BOUXWILLER, Mining Comp'y.	France : Bouxwiller ..	Prussiate of potass, alum, &c ..	2	Purified and common alum, sulphate of iron, prussiate of potass, Prussian blue, gold size.



# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
BOWERS, CHALLINOR, and WOOLSCROFT .. ..	England : Staffordshire .. ..	Imitations of oak carvings in porcelain .. ..	27	Imitations of oak carved cornice, rosewood. Gothic cornice, &c., in pottery.
BOWLING Iron Company ..	England : Bradford .. ..	Quality of iron .. ..	1	Specimens of iron ore, coal, &c., and of smelted and manufactured iron.
BOYER, V. P. .. ..	France : 38 Rue Saintonge, Paris ..	Electro gold .. ..	23	Various bronze articles, clocks, candelabras, figures, cups, lustres, and bronze of art.
BRACE, H. .. ..	England : Walsall .. ..	Bits, stirrups, and spurs ..	16	Two cases of bits, stirrups, and spurs.
BRADBURY and EVANS ..	England : Whitefriars .. ..	Printing .. ..	17	Various specimens of letter-press and wood-cut printing.
BRADY, M. B. .. ..	America : New York .. ..	Daguerreotypes .. ..	10	Daguerreotype likenesses of illustrious Americans.
BRÄHMFEIDT and GUTRUF ..	Hamburg .. ..	Inkstand .. ..	23	Silver writing stand.
BRAISE, C. T. .. ..	China .. ..	Screen .. ..	26	Japanned screen.
BREXAH and Co. .. ..	England : Piccadilly .. ..	Locks and castings .. ..	22	Assortment of locks, with illustrations of their construction.
BREXWELL, T. and Co. ..	England : Newcastle-upon-Tyne ..	Prussiate of Potass .. ..	2	Ornamental iron castings.
BRANDON, N. D. .. ..	Netherlands : Amsterdam .. ..	Stearic candles .. ..	29	Crystals of prussiate of potass of commerce. Ferrocyanide of potassium of chemists, used for dyeing instead of indigo.
BRAVO, Michael .. ..	Sardinia : Pignerol .. ..	Organzine for satins .. ..	13	Stearine candles and tapers. Lime soap. Stearic acid.
BRAUN, Brothers .. ..	Prussia : Hersfeld .. ..	Woolen cloths .. ..	12	Specimens of raw silk, organzine with thrown silk.
BRAUX d'Anglure de ..	France : 10 Rue de Castiglione, Paris ..	Galvanized zinc statue, bust ..	22	Light and dark blue and dark green woolen cloths, bronze cloths, and black satin-de-laine cloth.
BRAZIER, J. and Son. ..	England : Wolverhampton .. ..	Gun lock .. ..	8	Vases, statues of galvanized zinc, bronze busts.
BRETHART, F. W. and Son ..	Prussia : Cassel .. ..	Surveying instruments .. ..	10	Specimens of gun manufacture.
BREITKOPF and HAKEL ..	Saxony : Leipzig .. ..	Grand piano-forte .. ..	10a	Locks, musket percussion locks.
BREWSTER, C. and W. ..	England : Larkhall Lane .. ..	Wire cloth rollers for paper-makers .. ..	6	Physical instruments of several descriptions.
BIGARD and GAUTHIER ..	France : Vincennes .. ..	Locksmith's work .. ..	22	Concert piano-forte in rosewood case.
BIDDELL, T. and Co. ..	England : Derby .. ..	Sewing silks, purse twist & sarsnet ribbon .. ..	13	Rollers, moulds, &c., for paper making. With illustrations.
BIR, J. and Co. .. ..	England : 189 Regent-street .. ..	Embroidered shirt fronts ..	19	Several articles of locksmith's work, and rollers for spinning.
BIRCHES, G. and Co. ..	England : Wigmore-street .. ..	Chariot .. ..	5a	Specimens of sewing silk for saddlers, bookbinders, staymakers tailors, netting or purse twist, and sarsnet ribbon.
BIRCH, R. .. ..	England : 37 Bruton-street .. ..	Carriage lamps .. ..	22	Shirt fronts, shirts of an improved cut. Embroidered handkerchiefs, and flannel waistcoats.
BIRCHON and Sons .. ..	England : Kidderminster .. ..	Velvet pile carpet and Axminster rug .. ..	19	Town chariot, in good taste and admirably carried out, and mail-phaeton.
BIRCHARD, H. .. ..	England : Birmingham .. ..	Buttons .. ..	22	Lamps, lamp-wicks.
BIRSON, Brothers .. ..	France : Lyons .. ..	Black silk plush .. ..	13	Velvet tapestry, Wilton carpet, Axminster velvet rugs, and registered designs, pearl studs and buttons, black pearl ditto. Slides and ornaments for dresses, black and white silk and cotton plaques.

## NAME.

## LOCALITY.

## ARTICLES REWARDED.

## Class.

## DESCRIPTION OF ARTICLES EXHIBITED.

BRITISH ELECTRIC TELEGRAPH Company .. .. .	England .. .. .	Series of electric telegraphs	10	Highton's electric telegraphs and apparatus. Printing telegraph adapted to one or two wires; another by which any one of 26 symbolical characters can be printed by a single touch of a key. Morse's arrangement of telegraph, worked by secondary power. Telegraph for shewing the letters of the alphabet instantly by the touch of a single key with revolving pointer or revolving disc. Series of indicating and pointing telegraphs, worked by various descriptions of coils and steel magnets, and by coils acting on soft iron. Series of telegraphic alarms.
BRITISH GUIANA, The Royal Agricultural and Com- mercial Society of ..	British Guiana .. .. .	Colonial produce .. ..	4	There were about 120 articles of the products sent by the inhabitants of this important colony, and exhibited under the superintendence of Mr. Ridgway, the Company's agent. Two looking-glasses, each upwards of 12 feet high.
BRITISH PLATE GLASS COMPANY BROADWOOD, John and Sons	England .. .. .	Plate Glass .. .. .	24	Grand piano-fortes of different constructions. Printed books: a collection of 356 volumes, all printed in the year 1850, in the office of the exhibitor; in elegant covers.
BROCKHAUS, F. A. .. ..	Saxony: Leipzig .. .. .	Successful improvements in piano-forte making .. ..	10a 17	Raw, thrown, and dyed silk. Sewing silk in raw and dyed state. Spun silk exhibiting the material and its stages in process. Velvets, satins, moire antiques, glacé gros-de-Naples, levantines, serges, vestings, sarsets, Persians, ribbons, handkerchiefs, scarfs, shawls, gauze veils.
BROCKLEHURST, J. and T. ..	England: Macclesfield .. ..	Persian serges, sarsets, gros- de-Naples, handkerchiefs	13	Ornamental clocks, medallions and various objects in bronze, marble. Unbleached silk, and silk cocoons, the produce of the breed of Bronski silk-worms.
BROCOU, A. .. ..	France: 18 Rue Charlot, Paris	Half dead jeweled escape- ment .. .. .	10b 4	Specimens of raw cotton, carded cotton, rovings, throstle yarns, sewing thread, thread and crochet cotton.
BRONNO-BRONSKI, Major Count de .. .. .	France: Bordeaux .. .. .	Silk .. .. .	11	Specimens in each stage of the manufacture of broad woollen cloth, assortment of broad woollen cloths.
BROOK, J. and Brothers ..	England: Huddersfield .. ..	Two to nine-cord sewing- thread .. .. .	12	Emigrants' horticultural, and gentlemen's tool-chests, wedge axes, felling, siding, squaring, and various other axes, adzes, &c. Brazil tools, mattocks, stone-picks, &c.; hatchets, cleavers, choppers, hedging bills, horticultural and other shears, engineers and carpenters' edge tools, coach and locomotive wrenches, screw stocks, taps, and dies, pliers, compasses, hammers of all kinds, table cutlery.
BROOKER, J. and Sons .. ..	England: Huddersfield .. ..	Woollen cloths .. .. .	21	Specimens of flint glass. { Chemical productions, including succinic acid, tartaric acid, sesquioxide of chromium, sesquioxide of uranium, and mercurial compound. Plain velvets in silks of different colours.
BROOKES, W. and Son .. ..	England: Sheffield .. .. .	Edge tools .. .. .	13 13	Sewing silk, purse or netting silk, leger twist.
BROOKLYN FLINT GLASS COMP. BROSCHÉ, F. X. .. ..	America: New York .. .. Austria: Prague .. .. .	Flint glass .. .. . Succinic acid and oxide of chromium and uranium }	4 2	Raw silk, and silk spun by the filanda of Paulakey, and by the steam filanda of Yussuck Bey Oglou.
BROSSE & Co. .. .. .	France: Lyons .. .. .	Coloured velvets .. .. .	13	
BROUGH, J. and J. and Co. ..	England: Leek .. .. .	Sewing silks .. .. .	4	
BROUSSA, Ecole de Sircicul- ture de .. .. .	Turkey: Broussa .. .. .	Silk .. .. .	4	



# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	
BROWN, S. R. and T.	Scotland: Glasgow	Book-robe, short cambric handkerchiefs, stomacher, and collars	19	{ Muslins embroidered by the peasantry of Scotland, and the north and west of Ireland, consisting of dresses, collars, caps, habit-shirts, trimmings.
BROWN, J. and H. and Co.	Scotland: Selkirk	Scotch tweeds	12	{ Scotch tweeds and fancy woollens of various new mixtures and styles.
BROWN and FORSTER	England: Regent-street.	Vestings of cotton warp & weft wool; and waist-coatings of plush Vienna	15	{ Doeskins and casimeres, Scotch tweeds and natural Cheviot wool for trousers, waistcoating of wool, and wool and silk, of silk, of cotton, of China grass. Embroidery on cloth and on silk.
BROWN & Son	England: Birmingham	Saddle trees	16	{ Specimen of cut back-head saddle tree, whalebone springs, galvanized plates, spring bars, and copper rivets, to prevent corroding.
BROWN & WELLS	America: Philadelphia	Tools	21	{ Specimens of tools.
BROWN & REDPATH	England: Commercial-road	Stoves for ships	22	{ Fire hearth, or cooking apparatus as used on board H. M.'s steam ships.
BROWN, Sir S., Capt. R.N.	England: Blackheath	Chain Cables	8	{ Lanterns for marine purposes. Stay pins, and improved welding, twisted and other chain cables. Picture of Union Bridge over the Tweed. Model of Brighton pier. Model of a naval arsenal floating dock, and plan of drawing up ships. Model of a brass column and lighthouse. Model of railway and railway carriages. Model of a pair of mid-ship timbers, or ribs of a line-of-battle ship. Model of submarine ship propellers. Model of improved mariner's compass. Model of an equipoise bed.
BROWN & Co.	England	Salts of ammonia	2	{ Muricates and sulphates of ammonia.
BROWN, F.	England: Pimlico	Oxide of Zinc	2	{ Innocuous colours manufactured from the oxide of zinc, with specimens.
BROWN, W.	New Zealand	Kauri Gum.	2	{ Specimen of Kauri gum.
BROWN, Sir S.	England	Models	7	{ Models of ships and railways.
BROWN, W.	England: Halifax	Damasks of wool, silk, and cotton	12	{ Damask and table covers, cotton and worsted, cotton, silk, and worsted, and worsted.
BROWN, Robert	England: Kingston	Italian and other tiles	27	{ Grooved ridge tile. Ornamental and plain tiles for Gothic buildings. Curved Italian tiles.
BROWN, H.	England: Whitechapel	British ivory	28	{ British ivory, not a composition.
BROWNE, SHARP, & Co.	Scotland: Paisley	Embroidered muslin robe	19	{ Embroidered and tamboured book-muslin dresses. Embroidered scallop and insertion trimmings, flouncings, collars.
BROWNE, W.	Ireland: Dublin	Carriages	5a	{ Common and improved jaunting cars. A caned car very neat and well finished, a carriage car with Fuller's shafts, to be used occasionally with one horse.
BROWNING, —	Van Diemen's Land	Woods	4	{ Muskwood slabs.
BRUM & NAGLER	Prussia: Gera	Cloths of worsted weft and silk warp	12	{ Various woollen goods.
BRUNEAU, L. A.	France: 40 Rue de Montmorency, Paris	Articles of luxury	23	{ Silversmith's work, and fancy jewellery, such as purses, seals, scent-bottles, snuff-boxes, jewel-cases, cash-boxes.
BRUNET, LECOQ, GUICHARD, & Co.	France: Lyons	Articles of luxury	13	{ Silk prints, tulle, satined muslins, damasked gauze, crapes for shawls, scarves, and neckerchiefs.



DESCRIPTION OF ARTICLES EXHIBED.

ARTICLES REWARDED.

LOCALITY.

NAME.

Class

BRACEY, H.	England : Tottenham	Church organ	10a	Powerful church barrel organ in Gothic case. Model of the furnaces and pots employed on his Grace's mines at Wanlock lead-hill, in Dumfriesshire, for separating pure silver from the rich lead ore of the district. A block of pure silver, weighing more than 140 lbs. Specimens of lead as brought from the mines after smelting. Crystals of lead and other illustrative specimens. Model of the lead vapour condensing apparatus of the Wanlock lead-mines as improved. A collection of minerals from the same district. Specimens of ultramarine.
BUCKLEMAN, the Duke of	Scotland	Apparatus for condensing the fumes of lead works	1	Double superfine flour, wheat-meal and oatmeal of fine colour and quality.
BUCHNER, W.	Grand Duchy of Hesse	Ultramarine	2	Circular and other saws, turning and other mechanical tools.
BUCK, P. & Son	England : Bradford	Oatmeal and wheat flour	3	Paintings on china, brooches of painted china, enchased in bronze, small china paintings of various kinds, after classical pictures.
BUCK, J.	England : Lambeth	Turning tools, &c.	21	Proposed new coat suit in detail. Chaco. New head-dress for infantry of the line. Undress military coat.
BUCKER, H.	Saxony : Dresden	Painting on porcelain	—	Clarionets on a new plan, flutes, oboes, and bassoons for military bands.
BUCKMASTER, W. & Co.	England : 13, New Burlington St.	Court costumes	20	Silk ribbons.
BUFFET, A.	France : 4 Rue de Boulol, Paris	Oboes, clarionets, flutes, and corno-Inglesse	10a	Chemical principles from substances used as food or medicine.
BUSSON, Mme. Sen.	France : St. Etienne	Gauze ribbons	13	Model of power loom, stops the motion when the web-thread breaks.
CELLOCK, J. L.	England : 32, Conduit St.	Rare organic products	2	Pieces of wool indiscriminately taken.
BELLOUGH, W.	England : Blackburn	Stopping motion to a power loom	6	New iron safety shutters. Ventilating sashes.
BRUNCKE, Von, Oberburggraf	Prussia : Bellschwitz	Shutters and water-closet	4	A round table in mosaic, the table represented a wreath with the Florentine lily in the centre.
BUNNETT, J. & Co.	England : Deptford	Woollen goods	7	Trusses with eccentric pivot.
BONINSENI Brothers	Tuscany : Florence	Table in Florentine mosaic	27	{ Velvet piles and Brussels carpets, tapestries, furniture covers, &c., worn by Sevier's power loom, and afterwards printed by machinery.
BURAT, Brothers	France : 12 Rue Mander, Paris	Herniary bandage	10c	{ A series of substances and combinations used in the art of dyeing, colours used in oil-painting and printing, &c., with illustrative specimens.
BURCH, J. & Co.	England : Macclesfield	Printed velvet pile and Brussels carpets	19	{ Printed oil-cloth, table-covers, painted window-blinds and double floor-cloths, hat-linings, oil-cloth for carriages, carpets.
BURCH, W.	England : Woodford	Dye substances	4	{ American churn (English). Kase's force and suction pumps, turnip-cutter. Hose for fire-engines, &c., made of canvass, lined and coated with gutta-percha. Lift-pump made entirely of gutta-percha. Davy's india-rubber saddles and collars.
BURCHART & Sons	Prussia : Berlin	Printed moleskin table-covers, floor-cloths, and painted window blinds	19	{ Deep bullion fringe woven to shape. Ornamental hangers, pendants, fringes, rosette medallions.
BURGESS & KEY	England : 103 Newgate St.	Improved American churn an turnip cutter	9	{ Watch and pendulum glasses, watch-cases, boxes, spirits of wine lamps. Cotton seed (seed cotton), with oils, and oil-cake made from them, imported from the colonies.
BURGH, R.	England : Bartholomew Close	Gimps, tassels and ornaments	19	
BURGUN, WALKER, BERGER and Co.	France : Götzenbruck	Watch glasses	24	
BURN, R.	Scotland : Edinburgh	Cotton seed oil	4	



# DESCRIPTION OF ARTICLES EXHIBITED.

Class.

ARTICLES REWARDED.

LOCALITY.

NAME.

BURNETT, Sir W., M.D., K.C.B., F.R.S.	England:	Preserved woods .. ..	4	Specimens of Burnettized and un-Burnettized timber, canvas, cotton, and woollen cloth and raw hides tested to demonstrate the efficacy of the process. Anti-septic and disinfecting solutions.
BURRELL, C.	England: Norfolk	Goose bruiser .. ..	9	A six-horse power portable steam-engine, adapted for driving agricultural machinery. Machine for making hurdles or gates. Goose cutting and bruising machine.
BURNET & BELLAMY	England: Poplar ..	Oil and water tanks ..	22	Tanks for water, biscuits, oil and paint. Cistern and barrel for oil, tar, spirit.
BURROUGHS & WATTS	England: Soho-square	Billiard table .. ..	26	Billiard table and marking board of English oak in the Elizabethan style.
BURT, S. J.	England: Farringdon-street	Cantharidine .. ..	26	Cantharides. Cantharidine and its compounds.
BURT, W. A.	America: Michigan	Solar compass .. ..	10	Burt's Solar compass. Surveying instruments.
BUSK, C. J.	Cape of Good Hope	Red ebony wood .. ..	4	Specimen of red ebony from Natal, with fourteen engine-turned draughtsmen, made from part of the same. The wood had not been dyed, but merely oiled and polished.
BUTCHER, W. & S.	England: Sheffield	Edge tools and razors ..	21	Specimen, and other razors, edge tools and files, superior saws.
BUTTERLEY, Richard	England: Sheffield	Sickles .. ..	21	Elastic sickles and hooks.
BUTTERWORTH, Hon. Lieut. Col.	India: .. ..	Colonial produce .. ..	4	Various Indian products.
BYERS, J.	England: Durham	Manufacture of lead ..	1	Lead ore, silver, and litharge, from Grasshill mine, Teesdale, refined, common, and slag lead, sheet and pipe.
CABANES & RAMBIE	France: Bordeaux	Flour (thirds) .. ..	3	Grills flour, minors made with wheat from Bordeaux, and Egyptian flour.
CAILLET, Frangueville	France: Bazancourt	Merinos .. ..	12	Unbleached and dyed merinos.
CAIN, J.	France: 103 Faubourg St. Denis, Paris	Bronzes. Birds in nests ..	22	Bronzes: nest with a group of birds fighting, pair of goblets.
CAISTOR, A. B.	England: 7 Baker-st., Portman-sq.	Saddlery .. ..	16	Hussar saddle, and hunting saddle.
CALAMAI, Professor	Tuscany .. ..	Models in wax .. ..	10c	Series of models in wax, representing the anatomy of the torpedo.
CALDERON, J.	Spain: Granada	Hemp and flax .. ..	4	Hemp, raw and combed. Flax and hemp seeds.
CALLAUX, BELISENORIEL DE	France: Angoulême	Various specimens of paper	14	Specimens of papers for designs, ledgers, letter writing.
TINAN, & Co.	England: .. ..	French horn .. ..	10a	French horn without loose crooks.
CAULCOTT, J.	England: .. ..	Wool burring and cotton cleaning machinery and cylinders ..	6	Machines for wool burring and cotton-cleaning, method of constructing burring and carding cylinders.
CALVERT, F. A.	England: Manchester	Moiré antique, figured, and brocaded silks ..	13	Rich, figured moiré antique damask. Scotch tartan, satins, and velvets. Coloured moiré antique. Rich brocade figure for vestings. Essence of lemons.
CAMPBELL, HARRISON, & LLOYD	England: 19 Friday-street	Essential oils .. ..	4	Essence of lemons.
CANALES, J.	Spain: Malaga	Table and other objects in marble and granite ..	27	Marble pedestal. Table top of marble. Circular table top of red granite vase with pedestal.
CANTIAN, C.	Prussia: Berlin	Cape produce .. ..	4	Artificial productions.
CAPE OF GOOD HOPE, the Agricultural Society of	Cape of Good Hope	Whisk and .. ..	9	Chemical productions.



DESCRIPTION OF ARTICLES EXHIBITED.

ARTICLES REWARDED.

LOCALITY.

NAME.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
CARFELLO, G. ...	Sardinia: Turin ...	Inlaid table, chair, and pedestal ...	26	Corbels in pear wood, carved. Table, curule chair, and pedestal. Mahogany round table on triangular stem, with curved figures and marks, the upper part of white wood, covered with velvet and fringed. A cabinet floor inlaid with various foreign and indigenous woods.
CARLIN, Madame ...	England: 58, Berners-street ...	Corsets ...	10c	Hygienic corsets, corsetiform corset, and child's bodices.
CAPLIN, J. F. J. ...	England: Manchester ...	Gymnastic apparatus, and Orthorachidic instruments ...	10c	Gymnastic apparatus and orthorachidic instruments for deformity of the spine.
CARON, A. ...	France: Passage de L'Opera, Paris ...	Damasceen pistols ...	23	Gunsmith's work. A Parisian and other guns and pistols.
CARPENTER & TILDESLEY ...	England: Wolverhampton ...	Locks ...	22	Carpenter and Co's, Sanders', Tildesley's and Brillies' locks. Rocks' Gothic case locks. Curry-combs, horse-scrapers.
CARQUILLAT, - H. ...	France: Lyons ...	Woven portraits of the Queen Pope Plus IX., and of the visit of the Duc D'Aumale to his workshop... ..	13	Pictures woven in silk.
CARR, T. & W. ...	England: Bath ...	Woolen cloths and beavers ...	12	Cloths from German wool. Bath fur beaver, and dressed fur of fine Australian wool. Black beaver, and black Venetian, or summer cloth of German wool.
CARRINGTON, F. A. ...	England ...	Topographical models of portions of England ...	7	Model of 3,000 square miles of England, showing portions of various counties.
CARSTEAN, D. H. ...	Lubeck ...	Excellent preserved meats ...	8	Preserved vegetables, poultry, fish, fruits, and milk.
CARTE, A. G. ...	England: Hull ...	Self-acting life buoy, an instrument by which since 1838, nearly 400 persons' lives have been saved... ..	8	{ Pocket apparatus, and sea-service rocket apparatus, for throwing a line to a stranded ship. Self-acting life-buoy, by means of which the lives of nearly 400 persons have been saved since 1838. Self-adjusting cork life belt. Alarm signal for the protection of houses.
CARTER, VAVASSEUR, & RIX ...	England: 9, Trump-st., Cheapside ...	Figured silks, and moiré antique ...	13	Figured poplin dress. Rich figured satin dress. Figured satin, richly brocaded. Maize, moiré antique, Napoleon blue satin.
CARTWRIGHT & WARNERS ...	England: Loughborough ...	Yarns prepared from Mexican and Virginian woods, and articles made therefrom ...	20	Angola and merino yarns. Hose, shirts, drawers, ladies' vests and dresses.
CASEY & PHILLIPS ...	England: 13, Spital-square ...	Plain black radzimore and other plain silks ...	18	Silk, velvets, Algerias, gros-de-Naples, glacé gros.
CASLON & Co. ...	England: Chiswell-street ...	Variety of types ...	17	Specimens of engraved calligraphic type. Colours, for ornamental printing.
CASSISA & SONS ...	Sardinia: Novi ...	Silk ...	14	Specimens of raw white silk.
CASTEL, E. ...	France: Aubusson ...	Aubusson carpet ...	19	Door curtains. Aubusson tissue, and in the Gobelin style. Panels of the same description. Sofa, table-cover, and rug.
CASTELLE, H. ...	France: 55, Rue de la Verrerie, Paris ...	Gelatines ...	4	Waterproof gelatine in sheets. Glass-paper, crystal paper. Printed gelatine. Engraved gelatine.
CASTELLINI, Raffaele ...	Rome ...	Copy, in mosaic, of medalion of Boniface II., also head of John the Baptist ...	30	{ Mosaic, copied from the celebrated "S. Gio Battista," by Guercino, and a medalion portrait of Pope Boniface II. copied from the picture by Bompiani.



DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
CASTELLO, F...	Portugal	Preserved fruits ...	29	Preserved figs, sweet plums, pears, apricots, Tangerina oranges, cherries, peaches, and dried pears.
CATTEAUX, Brothère	Belgium : Brussels	Pantaloons stuffs of cotton, wool, and linen with cotton ...	15	{ Stuffs for trousers, cotton flax thread, cotton and flax thread, and cotton and wool.
CATTEAUX, Gauquie	Belgium : Courtray	Cotton, woollen, and linen stuffs ...	15	{ Stuffs for trousers, fine and mixed cotton. Two pieces of swan skin wool and cotton. Cotton checks and stripes. Cambric handkerchiefs. White linens.
CAZAL, —	France : 27 Boulevard des Italiens, Paris	Umbrellas and parasols ...	29	Self-opening umbrellas and parasols. Travelling sticks and umbrella la
CERCEUIL, L. F.	France : 33 Rue Traversière, Paris	Dyed flocks ...	2	Dyed and milled goods, and paste colours for paper hangings.
CHAGOT, Son...	France : 73 Rue Richelieu, Paris	Flowers in cambric ...	29	Feathers and bouquets of feathers. Artificial flowers and vases.
CHAMBER, Professor	England : ...	Transit scales ...	—	Scales for calculating the corrections of a transit instrument.
CHAMBERS, Casimir	France : Alais	Fine six-thread grenadine, and organzine for satin	13	White and yellow raw silks.
CHAMPAGNE & ROUGIER	France : Lyons	Assortment of rich figured silks ...	13	Figured silks, divers specimens, parasols and models of dresses flounced
CHAMPANHE, Sargé de J.	France : Vals	Silk ...	4	Cocoon of raw silk, applicable to the manufacture of various silks.
CHARAGLAT, E.	France : 268 Rue St. Denis, Cour de Bleus, Paris	Umbrellas and parasols ...	29	Umbrellas and parasols with handles of different materials.
CHARMEZ, J. F.	France : Rue de l'École de Médecin, Paris	Collection ...	100	Surgical apparatus and instruments of every kind. Cutlery.
CHAETHON & Son	France : St. Valier	Organzine for tulle, ribbons, plush, and satin ...	13	Specimens of raw and thrown silk, and silk cocoons.
CHATELAIN & FOREN	France : Rheims	Flannels ...	12	Bolivar flannel. Cloaks. Sultana cloths. Zephyr cloths.
CHATWIN & SONS	England : Birmingham	Pearl work ...	28	Illustration of button manufacture. Covered nails.
CHAUDRON, C. & H.	Belgium : Liege	Brass and brass tubes ...	1	Brass tubes, made without solder, for boilers of steam vessels.
CHIEVIN, S.	England : Spalding	Filtering pump ...	5	Floating filtering pump. Specimen of metallic paste or cement, for preventing damp in walls, and keeping out wet.
CHIEBAUX, J.	France : 3 Rue St. Flacore, Paris	Designs for cotton print and calico	30	Designs for dresses, and for Aubusson carpets.
CHEESEBING GRANITE CO.	England : Cornwall	Granite column ...	27	Granite column and pedestal, 30 feet high, from the Cheesewring Granite quarry, near Liskeard, Cornwall.
CHENARD, Brothère	France : Rue du Puits-au-Marais, Paris	Beavers and hares' fur hats	20	Hare and beaver hats, pieces of felt for waistcoats.
CHENNEVIERE, T.	France : Elbeuf and Louviers	Woollen cloths ...	12	New fancy materials for trousers, gowns, cloaks and lining. Plain, twilled, pilot, beaver, and impermeable cloths.
CHENOT, A.	France : ...	Metallic pavement	27	Metallic sponges. Iron and steel, produced by means of the same sponges, without smelting the ore.
CHEVRETON, E.	England : 33 Camden St.	The Theatres, as exemplifying the reduction by machinery of statues ...	29	Carvings by machinery. Those in ivory and marble not finished by hand.
CHEVET, J. Jun.	France : Palais National, Paris	Preserved meats and vegetables ...	29	Handicrafts of all sorts—complete dinners. Dishes prepared for cooking, with gravy and sauce ready for use.

# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
CHICKERING, J.	America : Boston ...	Square piano-forte ; and the jury think highly of his grand piano-forte ...	10a	Piano-fortes.
CHILDS, C.	America : Boston ...	Slide top buggy or phaeton, enamelled apron, of very superior quality, the whole well got up, and neatly finished ...	5a	Specimens of an American coach, Prince Albert waggon, York waggon, and slide top buggy.
CHILDS, J.	England : Brentford	Brass lamp for lighthouses	22	Brass fountain lamp, with adjusting concentric burner, for a light-house lantern.
CHILSON, RICHARDSON, & Co.	America : Boston ...	Hot-air furnace	22	Furnaces and stoves.
CHIOZZA, C. A. & Son	Austria : Trieste ...	Fancy and floating soaps..	29	Soap of different kinds.
CHIRO & MISA	Sardinia : Turin ..	Printing, printing materials, and wood-cuts ...	17	A large volume containing the history of Hautecombe Abbey.
CHITTY, E.	England : Guildford	Flour (best whites) ...	3	Flour.
CHOCQUEL, Felix	France : Paris ...	Cutting and printing of light shawls ...	15	Scarfs in satinet barège, with grounds of various colours and cashmere designs.
CHOCQUEL, L.	France : Labriche	Fancy fabrics, printed in steam colours, for dresses and shawls ...	18	Printed long shawls and printed gowns and dresses.
CHOPIN, Felix	Russia : St. Petersburg ...	Bronze candelabrum ...	22	Bronze candelabrum and clock.
CHOSSON & Co.	France : 36 Rue Montmartre, Paris	Kid gloves ...	20	Ladies' and gentlemen's kid gloves.
CHRISTIE, D.	Canada, West	White wheat	3	Three barrels of fall wheat.
CHRISTIE, J.	Austria : Vienna ...	Workmanship of shoes ...	20	Gentlemen's boots and shoes, water-proof shooting boots. Boots with corked and wood pegged soles, and with hollow heels.
CHRISTOPLE, CHARLES & Co.	France : 56 Rue de Bondy, Paris	Electro plate ...	23	Large tea urn, cup and saucer, milk-jug, and other articles of gilt and silver ware.
CHURTY & SONS	England : Manchester	Turkish bath towel	11	Turkish bath-towels, with a plush or looped surface on both sides.
CHURD, —	France : 6 Rue Carnot, Paris	Safety lamp	10	Safety lamps, without wire gauze, gasoscopes, apparatus used for preventing explosions of gas in pits, and all places lit by gas.
CHURCH & SON..	England : 57 St. Pauls'-church-yl.	Locks and safes (special approbation) ...	22	Detector locks and latches, Norman, Gothic, Elizabethan. Quadruple and rim locks, and fire-proof safes.
CHURFART, —	Algeria : Birmandreis	Cottons	4	Hard and soft wools of 1850. Louisiana cotton 1850. Silk in cocoons, and spun.
CHURCH and GODDARD	England : Birmingham	Machine for cutting card-boards, and printing and preparing railway tickets	6	Machine for cutting cardboards into cards, for printing and other purposes. Machine to cut, print, number, count, and pack tickets. Machine for dating railway tickets.
CLAUDIO, Joseph	Sardinia : Nice	Walking sticks	29	An oblong drawing room table, in olive wood, with mosaic.
CLAES, P.	Belgium : Lembeq	Corn drill and roller	29	Scotch seed-bag. Cast iron roller for rolling arable land.
CLAIR, P.	France : 93 Rue du Cherche-Midi, Paris	Dynamometer and indicator; and model in section of a locomotive ...	5	{ Rotary dynamometer. Model of a locomotive steam-engine. Clair's indicator. Lapointe's calculating machine.



## DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
CLARAZ, Ambrose ..	Switzerland : Fribourg ..	Straw work... ..	28	Flowers, plumes, and wreaths made of straw for bonnets, straw-bonnets, plaits, trimmings.
CLARENCE, R. ..	Cape of Good Hope ..	Dried fruits... ..	3	Oil. Dried fruits, viz., almonds, peaches, raisins, pears, apricots, currants and walnuts.
CLARENCE, Richard... ..	As above Cape Town...	Sheep's tail oil ..	4	Sea-elephant oil, sheep's tail oil.
CLARENBACH & Son... ..	Prussia : Hickerswagen ..	Woollen yarns ..	12	Samples of carded woollen yarns.
CLARK, J. and T. ..	England : Basinghall-street, and Trowbridge ..	Woollen cloths ..	12	for the cleanness and sharpness of the worm or thread.
CLARKE, C. and J. ..	England : Glastonbury ..	Sheep and lamb skin rugs ..	16	Woaded black single cassimere, beaver, Venetian, and ladies' cloth.
CLARKE, C. and J. ..	As above ..	Elongating goloshes ..	20	Satin-face, milled, and single doeskin. Furs, Janus beaver.
CLARKE, T. and C. and Co. ..	England : Wolverhampton ..	Enamel ware ..	22	Model of a rural factory. Urn rugs, muffs, made from English lamb-skin.
CLARKE and RESTELL ..	England : 447 Strand ..	Lamps, gas-burners, and locks ..	22	Socks for shoes, goloshes, shoes, and gaiters, hearth and other rugs of sheep, lamb, and Angola skins.
CLARKE, R. and Sons ..	England : 157 Cheapside ..	Manufactured furs ..	16	As above.
CLARKE, Esther ..	England : 18a Margaret-street, Cavendish-square ..	Honiton lace, flounce design, and quality unequalled in its class ..	19	Enamelled cast-iron hollow ware.
CLARKE, J. ..	England : 61 Frith-street, Soho ..	Specimens of book-binding and tree marbling on calf-leather ..	17	Lamp and gas-burners. New locks. Railway passengers' communications.
CLAUDIN, F. ..	France : 1 Rue Joquelet, Paris... ..	Guns, rifles, and pistols ..	8	New principle in clock-work. Gravitating clock without pendulum.
CLAUS and CAHON ..	Belgium : Ghent ..	Cane sugar ..	3	Manufactured furs of ermine, mink, and musquash, natural and dyed
CLAUSEN, P. ..	England : 26 Gresham-street ..	Process of preparing flax, and flax cotton ..	4	Flounce of Honiton lace.
CLAUSEN, P. ..	As above ..	Circular hand loom for hosiery ..	6	Various specimens of bookbinding.
CLAYE, J. ..	France : 7 Rue St. Benoit, Paris ..	Wood-cut and other surface printing ..	17	Guns and pistols of a new construction.
CLAYTON, SHUTTLEWORTH & Co. ..	England : Lincoln ..	8-horse power vertical oscillating cylinder engine ..	5	Candied and other sugars.
CLAYTON, SHUTTLEWORTH & Co. ..	As above ..	Steam engine ..	9	Samples of flax in all its stages, from straw to cloth, prepared by the exhibitor's process. Cloths produced from flax, flax cotton, flax cloth, flax silk, flax wool. Hemp and other fibrous plants prepared either in whole or part, as above.
CLAYTON, H. ..	England : Dorset-square ..	Tile machine ..	9	Circular hand-loom, for weaving looped fabrics, elastic cloth.
CLAYTON, W. B. ..	England : 10 Mark Lane ..	Textile mangle ..	29	Composing frames, albums, illustrated volumes.

DESCRIPTION OF ARTICLES EXHIBITED.

ARTICLES REWARDED.

LOCALITY.

NAME.

CLEMENS, —	...	England: 25 Mincing-lane	Malaga raisins and Jordan almonds	3	Jordan almonds, raisins.
CLEGET, —	...	France: 10 Rue Albony, Paris	Designs and works in ornament	30	Framed designs and proof engravings.
CLEBORN, HILL, and Co.	...	Ireland: Banbridge	Diapers	14	Bird-eye diapers manufactured from the best quality of linen yarn.
COATES, E. J.	...	England: 13 Bread-street	Combination of iron and glass in the decorative parts of the manufacture of stoves	27	Chimney-pieces made exclusively of iron and glass.
COATHUPES and Co.	...	England: Bristol	Glass pipes	24	Glass water-pipes, plain, jointed, and angular. Glass curtain poles.
COCHUIS, E. E.	...	Prussia: Oranienburg	Prussiate of potash	2	Large specimen of crystallization. Prussiate of potash.
COCHOIS and COLIN	...	France: 7 Rue des Déchargeurs Paris	Dresses and embroidery	29	Hosiery: stockings, socks, gloves, trousers, waistcoats, and night-gowns.
COCHRANE, J.	...	Scotland: Edinburgh	Gas meter	22	Gas meter, ten inches diameter.
COCKBURN, Messrs.	...	India: Moorshehabad	Starch	4	Starch.
COCKER, S. and Sons	...	England: Sheffield	Needles	22	Steel suitable for all purposes. Cast steel files used by every trade or profession. The various stages of file and needle manufacture. Edge tools, saws, and other articles.
COCKER, S. and Sons	...	As above	Quality of steel	1	As above.
COCKER and Sons	...	England: Hathersage	Needles	22	Specimens of needles in every stage of manufacture.
COCKER and Sons	...	As above	Files and edge tools	21	As above.
COCKERILL, —	...	America:	Wool	4	Wools.
COGU, A.	...	France: 58 Faubourg du Temple, Paris	Vestings	15	Cashmere texture, waistcoats of all descriptions.
COTEN and Orr	...	England: 41 St. James-street	Manufactured cigars	3	Raw tobacco, and cigars.
COMERA, the Nursery of	...	Portugal: Coimbra	Preserved fruits	29	Different qualities of preserved fruits.
COLEGATE, W. and Co.	...	America: New York	Starch	9	Samples of pearl starch.
COLEMAN, R.	...	England: Chelmsford	Cultivator, expanding harrow	4	Drag harrows, expanding lever harrow.
COLIN, J. R.	...	France: Epinal	Polished granite and serpentine	1	Polished marbles, granites and serpentine.
COLLARD and COLLARD	...	England: Cheapside	Pianos, and their success: full application of several improvements in piano-forte making	10a	Grand bichord, and square semi-piano-forte with repeater action, grand cabinet piano-forte with check and repeater action. Piano-forte for the people, and grand piano-forte.
COLLAS, M. A. C.	...	France: 8 Rue Dauphine, Paris	Essential oils	4	White and coloured essence of almonds and pine apple. Digitation.
COLLAS, A.	...	France: 30 Boulevard Poissonnière, Paris	Works exemplifying reduction of sculpture	30	Sculpture in reduced proportions by mechanical processes. Bronzes of art. Gate of the Bapistry at Florence, half the size of the original.
COLLETTA, Leleuvre.	...	France: 9 Rue Mandar, Paris	Snuff-boxes	29	Snuff-boxes, purses, and needle-cases.
COLLIARD and COMTE	...	France: St. Etienne	Assortment of ribbons	13	Silk ribbons.
COLLIN, C. E.	...	France	Map engraving	8	Maps and engravings.
COLLINGE, C. and Co.	...	England: Lambeth	Five-horse power action steam engine	5	Portable high-pressure steam-engine.
COLLOT, Brothers	...	France: 4 Rue de l'Ecole de Médecin, Paris	Balance	10	Scales and philosophical instruments.
COLEMAN, J. and J.	...	England: 9 College-hill	Starch	4	Starch from wheat and rice, mustard, British gum, Indigo blue.



# DESCRIPTION OF ARTICLES EXHIBITED.

Class.

ARTICLES REWARDED.

LOCALITY.

NAME.

COLONIAL ASSURANCE CORPORATION	..	Australia	Raw produce	..	4	Collections of the raw productions of Australia.
COLVILLE, Mlle. Anna	..	France ; 22 Rue des Vinaigriers, Paris	Colours for porcelain painting	..	2	Specimens of coloured porcelain and enamelled plates. Portraits of the Queen and Prince Albert.
COMBA, F.	..	Sardinia : Turin	Taxidermy	..	29	An elk from the Zoological Museum of Turin.
COMINS, J.	..	England : South Molton	Horse hoe	..	9	Wrought iron horse-hoe. One way turnover or turnrest plough for hilly land.
CONRAD, W.	..	France : 26 Rue Vieille du Temple, Paris	Chemical preparations	..	2	Refined camphor blocks. Sublimed iodine and iodine of potassium.
CONTI and Son	..	Tuscany : Leghorn	Soaps	..	29	Specimens of soaps.
COOKES and Son	..	England : Warwick	Carved sideboard	..	26	The Kenilworth oak buffet, with sculptured relieves, illustrative of events at Kenilworth Castle, from a celebrated oak tree grown upon its domain.
COOMBE and Co.	..	England : Mark-lane	Iron and copper netting	..	22	Fine twilled wove wire.
COOPER, M.	..	England : York	Riding saddle and case of saddle	..	16	Improved side saddle, with pith of Berlin wool work. Military saddle. Improved light hunting, and racing saddle. Somerset saddle.
COOREMAN, A. J.	..	Belgium : Rebecq	Lace thread made from hand-spun yarn	..	14	Samples of flax thread, made use of for the ground work of Brussels lace. Samples of thread for lace.
COPE, HAMMERTON and Co.	..	England : Coventry	Figured ribbons	..	13	General fancy ribbons.
COPE and COLLINSON	..	England : Birmingham	Brass work	..	22	Specimens of improved casters for furniture. Globular-blind mountings. Bedstead brace. Music-stool screw. Horne's butt hinges, locks, hinges, springs for piano-fortes.
COPELAND, W. T., Alderman, M.P.	..	England : Stoke-upon-Trent	Statuary porcelain (general excellence)	..	25	Works in porcelain statuary, with a large collection of vases, tazzas, and plateaux, trays and table ware in porcelain, samples of common printed earthenware, and specimens of fine crystal glass, cut and engraved.
COPLAND, BARNES and Co.	..	England : 46 Botolph-lane	Preserved meats & vegetables	..	3	Tart fruits, jams, jellies hermetically sealed, which retain for years their flavour and quality.
COFCORAN, B. and Co.	..	England : 36 Mark-lane	Metallic Cloth	..	22	Model of an improved drying kiln for malt. Flour dressing machine. Woven wire of various textures for machines. Mill-stones for grinding wheat. Portable corn-mill for emigrants.
CORNAL, Diego de	..	Austria	Vestings	..	15	Vestings, some of them embroidered on a principle.
CORNELIUS and Co.	..	America : Philadelphia	Chandeliers	..	22	Lamps, chandeliers, and gas-fittings.
CORNELL, LYELL, and WEBSTER	..	England : St Paul's-churchyard	Ribbons	..	13	Chinè and brocaded sash, and other ribbons.
CORNES, T.	..	England : Market Harborough	Chaff-cutter	..	9	A two-knife hand-power chaff-cutter. Model of a farmstead suitable to a farm of from six to seven hundred acres.
CORPORATION of LONDON	..	England : London	For various illustrations of the art of ship-building	..	8	Illustrations of the art of ship-building for the commercial marine, almost all showing the greatest and most important improvements in strength, symmetry, and efficiency, and mostly coming from the establishments within the jurisdiction of the Port of London.
CORREIN, O.	..	Tuscany : Leghorn	Santonino & other chemicals	..	2	Specimens of santonino, a medicinal substance, and of other chemicals.

DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
COTTAM and HALLEN ..	England : 2 Winsley-street ..	Gates, cast-iron, and enamelled cast-iron horse mangers .. .. .	22	Enamelled manger, rack, and water trough for horses. Park-gates. Designs in iron for staircase railing.
COTTELL, E. ..	England : Birmingham ..	Locks and Safes .. ..	22	Climax detector locks, made to the keys. Two locks cannot be made alike, unless formed from the keys cut at the same time.
COTTINGHAM, N. J. . .	England .. .. .	Brass lectern .. .. .	22	Spandril from Hereford Cathedral. Statuettes. Brass lectern for Hereford Cathedral.
COTTON, Wm. ..	England .. .. .	Coin weighing machine ..	10	Machine for weighing gold and silver money.
COUDER, A. ..	France : 67 Rue Rochechouart, Paris ..	Shawl designs .. .. .	30	Designs for stained paper, portières for hanging of tapestry, for printed shawls and other industrial designs.
COUDERG and SOCARET ..	France : Montauban .. ..	Gaze & bluter, from 10 to 220 threads per inch ..	13	Raw silk, raw silk tissues.
COULAUX—Sen. and Co. ..	France : Molsheim & Klingenthal ..	Saws .. .. .	21	Side-arms and articles of hardware.
COWSON, J. and Co. . .	Ireland : Lisburn .. ..	Damask table-cloths and napkins .. .. .	14	Fine damask table, breakfast, and sideboard cloths, and dinner napkins
COUPIN, J. ..	France : Aix .. .. .	Felt hats .. .. .	20	Felt hats of various colours without dressing.
COCHERIE and Co. . .	France : Cherbourg .. ..	Iodine .. .. .	2	Iodine of potassium, sublimed iodine, chloride of potassium. Sulphate of potash.
COURTEPEE-DUCHESNAY ..	France : 11 Rue du Renard St. Sauveur, Paris .. ..	Boot fronts .. .. .	16	Calif leather.
COURTIAL, — . . .	France : Grenoble .. ..	Ultramarine .. .. .	16	Bottles of ultra-marine blue.
COURTOIS, E. . . .	France : 13 Faubourg Mont-martrie, Paris .. ..	Black and coloured varnished calf and hides ..	16	{ Glazed calf skins for boots and shoes, and all kinds of leather for saddlers, coach-makers, and harness-makers.
COUVERT and LUCAS ..	Belgium : Brussels .. ..	Mosaic floor and table ..	26	Mosaic floors. Table with mosaic shelf, and carved foot.
COVENTRY Ribbons Committee ..	England : Coventry .. ..	An excellent specimen of the skill of the parties concerned in the production .. ..		
COWAN and Sons ..	England : Shadwell .. ..	Soaps .. .. .	13	Specimens of Coventry ribbons.
COWEN, J. and Co. . .	England : Newcastle-upon-Tyne ..	Gas retorts .. .. .	27	Specimens of hard yellow, mottled, curd, and marine soap.
COWLEY and JAMES ..	England : Walsall .. ..	Beds and steam tubes ..	22	Fire clay gas retorts, fire bricks, rough fire clay, and canal coal.
COWPER, E. . . .	England : Kensington .. ..	Models for the use of schools ..	29	Iron bedsteads, child's cot, wrought iron gas and steam tubes and joints.
COX, W. H. and Co. . .	England : St. Paul's-churchyard ..	Two foreign butts .. ..	16	Models for the use of schools.
COX, R. S. and Co. . .	England : St. Paul's-churchyard ..	Assortment of fancy ribbons ..	13	Foreign butts, very well tanned.
COX, Brothers ..	Scotland : Dundee .. ..	Striped bedding and hessians ..	14	Rich sashes and other ribbons.
COXETER, J. . . .	England : 23 Grafton-street east ..	Collection .. .. .	10	Hessian or packing canvas, striped bedding, bed sacking, padding canvas.
COZENS and GREATREX ..	England : Walsall .. ..	Tanned and curried leather ..	16	Surgical instruments.
CRACE, J. G. . . .	England : 14 Wigmore-st. ..	Specimens of Brussels and velvet pile carpet ..	19	Tanned and curried leather for bridles. Curried hog and seal skins. Furniture and decorations in the mediæval style, piano tapestry. Damask, silk brocatelles. Woollen stuffs for hangings. Chinizes and carpets.
CRAWFORD, H. M. . .	America : Philadelphia .. ..	Calf skins tanned in oak bark ..	16	Various calf-skins.
CRAWHALL, J. . . .	England : Newcastle-upon-Tyne ..	Machine for manufacturing hemp ropes ..	6	Improved machine for manufacturing ropes.



# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	
CAEMER, J. . . . .	France: 29 Rue de L'Entrepot, Paris	Marqueterie inlaid furniture	26	Grand piece of furniture with three doors, writing-table, dressing-table, and pictures in mosaic and chequer work.
CRESPEL—DELISSE, T. . . . .	France: Arras	Beet sugar	3	Various samples of wheat, sowing machine.
CRESWICK, T. J. and N. . . . .	England: Sheffield	Plated silver	23	Plated articles with silver mountings, candelabra. Epergne and plateau. Candlesticks with branches. Venison dishes.
CRIGHTON, D. . . . .	England: Manchester	New taking-up motion for a loom	6	Model loom, exhibiting a new principle of mechanical action on the yarn and cloth rollers.
CRIGHTON, J. . . . .	England: 112 Leadenhall-street	Drawing instruments and sextants	10	Solid arch, double limb and coast surveying sextants, quadrants, azimuth compasses, theodolites, levels, telescopes, grumers, calipers.
CRITCHLEY, BRINSLEY, and Co. . . . .	England: Macclesfield	Figured silks, handkerchiefs, and cravats	13	Ladies' foulard dresses, aprons, neckties. Gentlemen's cravats, and boy's neck-handkerchiefs.
CROMBIE, J. and Co. . . . .	Scotland: Aberdeen	Scotch Tweeds	12	Scotch tweeds of various qualities.
CRONIE, — . . . .	France	Table covers	19	Varnished and printed table-covers.
CROOK, W. . . . .	England: 5 Carnaby-st.,	Cooking apparatus	22	Improved open fire, hot plate, oven, and boiler, kitchen-range for steam, warm baths, by one fire, and improved smoke-jack. Improved tailors' stove, for heating a larger number of irons in less time, and with less fuel, than the common stoves.
CROSS, William . . . . .	Scotland: Glasgow	Tartans made of fine Indian wool	15	Saxony wool shawls; clan, shepherdess and fancy patterns, square, long Byzantine style, pure cashmere. Saxony wool plaid dresses.
CROSS, G. . . . .	England: New Coventry-st.	New mode of fastening the leaves of scrap-books without guards	17	Print collectors' improved scrap-books without guards.
CROSSKILL, W. . . . .	England: Beverley	Oscillating cylinder direct action steam engine	5	Steam engine.
CROSSLEY and Sons, . . . . .	England: Halifax.	Carpet, rugs, & table covers	19	Large pattern mosaic tapestry; mosaic carpet, table-covers, and rugs; velvet carpet; tapestry carpet; Kidderminster, Dutch, and other carpets.
CROUTELLE, Nephew CROWLEY and Sons, . . . . .	France: Rheims	Yarns	12	Spun yarn, and sized yarn for machine weaving.
CRUCHET, V. . . . .	France: 68 Rue Notre Dame de Lorette, Paris	Carton-pierre and carving	26	One horse cart, and newly-invented tipping apparatus. Hames. One horse universal hoe.
CRUMMACK, E. . . . .	England: York	Tortoiseshell combs	28	Wainscoting for rooms; carton-pierre; figure of animals carved in oak; consoles with basso-reliefs.
CUBERO, J. . . . .	Spain: Madrid	Three terra-cotta figures	29	Tortoiseshell, ivory, and horn dressing-combs, made by hand.
CUFF, R. . . . .	England: 18 Cockspar-street	Riding saddle, bridle, and harness	16	Terra-cotta figures.
CUMONT—DECLERCQ . . . . .	Belgium: Most	Linen threads (coloured)	14	Embroidered velvet saddle, riding bridle, and harness, with gilt ornaments. Hunting and other saddles and bridles.
CUNDY, S. . . . .	England	Tomb of Queen Philippa, in alabaster	27	Collection of sewing threads, white and coloured.
CUNY—JUN. . . . .	Algeria: Bab-el-oned	Collection of oils	4	Restoration of the monument of Philippa of Hainault, Queen of Edward II in Westminster-abbey, executed in English alabaster; statues and angels.



# DESCRIPTION OF ARTICLES EXHIBED.

## ARTICLES REWARDED.

## LOCALITY.

## NAME.

## Class.

CURTIS, J. . . . .	Prussia : Duisburg . . . . .	Ultramarine . . . . .	2	Blue and green ultramarine, used by printers, painters, varnishers, and for tapestry, it resists alum and improves by exposure to the air.
CUSONS and Co. . . . .	England : 26 Holles-st. . . . .	Bookbinder's cloth . . . . .	17	Bookbinder's cloth dyed, embossed, and finished by the exhibitors.
CUTCH, the Rao of . . . . .	India . . . . .	Raw products . . . . .	4	Raw products.
CUTLER, Mrs. . . . .	Tuscany : Florence . . . . .	Weavers' reeds . . . . .	6	Specimens of combs for silk weaving.
SWM AYON Iron Company. . . . .	Wales . . . . .	Railway bars . . . . .	5	Railway bars.
DA FONSECA, Vaz, Pinto. . . . .	Portugal : Villa Real . . . . .	Dried Fruits . . . . .	3	Preserved plums, figs, peaches and apricots. Sweet dried pears. Biscuits.
DABRIQUE, F. . . . .	France : 8 Rue Jean Jacques Rousseau, Paris . . . . .	Games . . . . .	23	Jewellery in gold, such as bracelets, loonlines, chains, and cameos.
DAGUET, T. . . . .	Switzerland : Soleure . . . . .	Optical glasses . . . . .	24	Flint glass and crown glass in rectangular prisms. Unpolished flint glass.
DALGETY, — . . . . .	England : Deptford . . . . .	Small lathe, with self-adjusting chuck. . . . .	6	Self-acting surfacing and screw-cutting lathe. Self-adjusting chucks.
DALGLEISH, FALCONER & Co. . . . .	Scotland : Stirling . . . . .	Machine-printed calicos . . . . .	18	Calico and muslin prints.
DALLANORA, T. . . . .	Rome . . . . .	Tazza of Oriental alabaster . . . . .	27	Large tazza of Egyptian alabaster. This tazza, which was ornamented with two handles, was of 3½ English feet diameter, and from one handle to the other more than 4 feet.
DAMAINVILLE, — . . . . .	France : Pondron, near Cressy . . . . .	Artificial honeycomb . . . . .	8	Artificial honeycombs for agriculture. New principle for feeding bees.
DAMON and Co. . . . .	France : Lyons . . . . .	Collection of fine wool shawls . . . . .	16	Long shawls of wool and of wool and cashmere.
DANBY, C. and T. . . . .	England : 14 Coventry-st. . . . .	Variety of silk fringes . . . . .	19	Crochet silk gimp robing resembling the rose-leaves and flowers. Brain-deanburgh crochet silk gimp trimming, girdles, silk fringes, crochet head-dress.
DANDY, MAILLARD, Lecoq, and Co. . . . .	France : Maubeuge . . . . .	Rollers for spinning machinery . . . . .	6	Ironmongery. Tools and detached pieces for all kinds of spinning.
DARBER, H. . . . .	Switzerland : Geneva . . . . .	Press for cutting out watch hands . . . . .	6	Military weapons.
DARK, M. and R. . . . .	England : Lord's Cricket-ground . . . . .	Articles used in the game of cricket . . . . .	29	Press for cutting out and stamping watch-hands, Cricket-bats and wickets, tubular india-rubber gloves, gauntlet gloves, leg-guards, spiked soles for shoes, and cricket balls.
DARMANIN, J. and Sons . . . . .	Malta : Valletta . . . . .	Inlaid work in marble . . . . .	27	Inlaid marble table-top, with the royal arms : inlaid marble table-top, with fancy scroll and Maltese cross in the centre : inlaid marble table-top, with the emblem of Carthage in the centre : pieces of Malta stone, oiled and prepared for pavement ; drip stone of Malta stone ; specimen of Malta and Gozo stone, and stalactite ; vase, with pedestal of red Gozo marble : wax and cloth figures.
DARNET, — . . . . .	France : Rue Richelieu, Paris . . . . .	Variety of shirt fronts . . . . .	19	Ready-made linen for gentlemen, and shirts.
DAUBET and DUMAREST . . . . .	France : Lyons . . . . .	Cabinets, with mechanical action . . . . .	26	Various articles of furniture.
DAUDVILLE, A. . . . .	France : St. Quentin . . . . .	Excellence of manufacture in harness, window-curtains, and piece-muslins . . . . .	11	Various stores and curtains. Pictures of Queen Victoria and Prince Albert. English colours, emblems of France.
DAVENE, Mons. . . . .	France . . . . .	Improvements in shading maps . . . . .	8	{ Improvements in the shading of maps, by printing different colours at the same time.



# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
DAUPHINOT—Perard..	France : Isles-sur-Suippes	Merinos .. ..	12	Merino fabrics of all colours.
DAUPHINOT—Perard..	England : City-road	Ultramarine .. ..	2	Samples of ultramarine.
DAUTREMER and Co.	France : Lille	Flax yarns .. ..	14	Grey and yellow lawn threads.
DAVENPORT, J. T. ..	England : 33 Russell-st..	Chemical products ..	2	Chemical preparations.
DAVENPORT, J. L. ..	England : Derby ..	Various machines for manufacturing silks ..	6	Silk throwing machinery. Winding and cleaning engine. Spinning and twisting mill. Doubling frame. Reeling machine. Drumming apparatus.
DAVID and De BOE ..	Belgium : Antwerp	Flax .. ..	4	Flemish flax.
DAVID, Brothers and Co. ..	France : St. Quentin ..	Merino and cloths mixed with orgazine and spun silk .. ..	12	Various woollen cloths, woven with yarn, combed.
DAVID, LABBE and Co. ....	France : Saint Richaumont	Merino fabrics (downs of price) .. ..	12	Unbleached and coloured merino fabrics.
DAVIDSON, J. and Co. ....	Scotland : Edinburgh ..	Scales & weighing machines ..	5	Steel-yards or weighing machines, the under levers, beams, &c., made of malleable iron, with welded steel centres, the bearers lined with welded steel.
DAVIES, J. and G. ....	England : Tipton, Staffs.	Revolving elliptic steam engine, with an ingenious governor, equilibrium, and feed valves ..	5	Pair of elliptic revolving steam engines. Steam regulating self-acting damper. Feed nozzle, valves, revolving blowing apparatus.
DAVIES, D. and Son ..	England : 15 Wignmore-st.	Basterna brougham .. ..	5a	Basterna brougham and other improved carriages. Model of improved railway-carriage break. New single wheel revolving carriage. Carriage with automatic steps. New carriage with dome roof. Light summer carriage for hot climates with canopy.
DAVIES, R. S. and Sons ..	England : Stroud ..	Fine Scarlets .. ..	12	Scarlet military cloth. White cloth for uniforms. Scarlet cloth for foreign uniforms. Black cloth, cassimere, and doeskins.
DAVIS, GREATHEAD, & GREEN	England : Stourbridge ..	Cut Glass .. ..	24	Cut glass decanters, water jugs and goblets, ruby centres and stands, lustres with ruby and flint drops, cut, and enamelled, coloured, hock and other wine glasses. A great variety of ornamental vases, white opal, frosted Mazareen blue, and topaz, painted, enamelled cut and engraved.
DAVY, MACMURDO and Co..	England : Bermondsey ..	Glycerine and various salts ..	2	Chemical preparations.
DAY and MILWARD ..	England : Birmingham ..	Weighting machines ..	5	Weighting machines. Druggist's scale for counter, fishing reels.
DAY, J. and Son ..	England : Huddersfield ..	Pantaloons stuff, warp of cotton, with welt of carded wool, crossed on one side only, of the character of cassinet. Peranoptic permutating locks, (special appropriation) .. ..	15	{ Merinos for the tops of ladies' boots, &c., cashmerettes, cotton or silk shot with woollen.
DAY and NEWELL ..	America : New York ..	Peranoptic permutating locks, (special appropriation) .. ..	22	Peranoptic permutating locks.
DAY and SON ..	England : Lincoln's Inn-fields ..	Chromo-lithography .. ..	50	Spectimens of stoned and chromo-lithography.



DESCRIPTION OF ARTICLES EXHIBITED.

ARTICLES REWARDED.

LOCALITY.

NAME.

DEAN, L. . . . .	America: Vermont . . .	Maple Sugar . . .	3	Sample of maple sugar, and jug of fine maple molasses.
DEANE, DRAY, and DEANE	Van Dieman's Land . .	White wheat . . .	3	White wheat.
DEANE, DRAY, and DEANE	England: King William-street. .	Stove grates . . .	22	Fire lump stoves. Yatch stoves. Model of kitchen range.
DEANE, ADAMS, and DEANE	England: King William-street. .	Double & single guns and pistols . . .	8	{ Spiral raised rib rifles. Safety stop lock guns, gun locks, fowling pieces. Indian and American rifles, pistols.
DE ARNETTA, Jose Joaquin	Spain . . . . .	Sugar . . . . .	3	{ Sugar from Havannah prepared by the vacuum process in the plantation itself.
DEBAIN, A. . . . .	France: 15 Rue Vivienne, Paris	Mechanical piano-forte . .	10a	Piano, harmonium, and other musical instruments.
DE BARY, T. and BISCHOFF	Switzerland: Erlle . . .	Figured ribbons . . .	13	Specimens of ribbons.
DE BAST, C. . . . .	Belgium: Ghent . . .	Grey calicos . . .	11	Bleached and unbleached calicos.
DEBAY, Augusto . . . .	France: 5 Passage Colbert, Paris	The "Premier Berceau," in marble . . .	30	Artificial stone statues and ornaments. Baked clay.
DEBAY, Jean . . . . .	France . . . . .	Statuary . . . . .	30	Pilgrim Boy.
DE BEAUVOYS, Ch. . . .	France: 93 Rue de Bourgogne, Paris	Hive on the plan of Huber . .	3	Bee-hives, pigeon holes, &c. Apparatus for agricultural purposes, or for rearing bees.
DERBEL, PELMERIN and Co.	France: Nancy . . . .	Counterpane . . . .	19	Embroidered bed-coverlet, various cards of patterns.
DE BERGE, C. . . . .	England: 9 Dowgate-hill . .	Railway buffers . . .	5	Specimens of vulcanized India-rubber buffers for railway carriages.
DE BERGUE, C. . . . .	As above . . . . .	Reeds made by machinery . .	6	Station buffer.
DE CABANAS, & CABAZAL, La file . . . . .	Spain: Havannah . . .	Havannah cigars . . .	3	Specimens of dents, and reeds or combs complete for weaving every description of fabrics, manufactured by machinery.
DE CAVAILLON — . . . .	France: 30 Rue Taibout, Paris	Salts of ammonia . . .	2	Various kinds of cigars.
DEGESARE, P. P. . . . .	Malta: Valletta . . .	Carved Malta stone . . .	27	Chemical productions obtained by purifying gas.
DECKER, R. L. . . . .	Prussia: Berlin . . .	Printing and types . . .	17	Very large jugs with pedestals, large vases and jugs. Testament in large specimens of printing and printing types. The new velvet with silver clasps folio, beautifully illustrated and bound in velvet with silver clasps and ornaments on the cover. Steel punches of the types.
DECOCK, WATTRELOT, & BAUDOUN . . . . .	Belgium: Roulers . . .	Fine linens . . . . .	14	Bleached and unbleached linen, Orleans, alpaca and paramatas.
DEED, J. S. . . . .	England: Little Newport-st. .	Angora goat and sheep-skin rugs; morocco leather . . . . .	16	Specimens of leather. Dyed sheep and lamb skin wool rugs or mats.
DEFNEER, C. . . . .	Wurtemberg; Esslingen . .	Hardware, various . . .	22	Iron flower table, cigar tray, writing case, thrift box, washing tubs, sugar box, working baskets, chess-board, fruit baskets, pictures, and coffee trays. Bird cages. Silver plated speaking trumpet, and miscellaneous articles of hardware.
DEFERNE, Sophie . . . .	Belgium: Brussels . . .	Brussels point handkerchief . .	19	cellaneous articles of hardware.
DEFRIES, N. . . . .	England: Regent-st. . .	Gas-meter; bath heated by gas, &c. . . . .	22	Brussels lace handkerchief. Berthe and head-dresses, and lace collars. Gas works, gas stoves, gas bath heater. Dry gas-meters. Conservatory heated, lighted and ventilated by gas. New mode of melting and distilling.
DE GEMIN, — . . . . .	France: Marseilles . . .	Cotton oil . . . . .	4	Cotton-seed oil, clarified and bleached—samples.
DEHESELE, A. J. . . . .	Belgium: Thiemister nr. Verviers	Flannels, swan-skins, &c. .	12	Pieces of flannel and domet.
DEJEANT, — . . . . .	Portugal . . . . .	Collection of worked and polished marbles . . .	27	Marble slabs for tables.
DE KEYS, A. Brothers . .	Belgium: St. Josse-ten-Noode, near Brussels . . . .	Mosaic floor . . . . .	26	Mosaic floor, made of natural wood, of divers colours.



# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
DE LA RUE and Co.	France: 47 Rue Vielle-du-Temple, Paris.	Horse-hair and "vegetable silk" damask .. ..	16	Horse-hair, and vegetable silk textures.
DE LA RUE and Co.	England; St. John's wood	Locks .. ..	22	Safety locks and bolts, for windows and doors.
DE LA RUE and Co.	France: 12 Quai de Bethune, Paris	Fancy fabrics, printed in steam colours .. ..	18	{ Satinéd barège dresses; mousseline-de-laine; Paris crape, &c.; long shawls; fancy woollen and cotton fabrics.
DE LA RUE and Co.	France: 17 Rue de la Paix, Paris	Muslin robe jacket, and cambric handkerchiefs .. ..	19	Embroidery and nouveautés.
DE LA RUE and Co.	England; 110 Bunhill-row	Envelope machine .. ..	6	Envelope folding and gumming machine.
DE LA RUE and Co.	As above .. ..	Infediscient films .. ..	10	Samples of stationery, and specimens of printing and bookbinding.
DE LA RUE and Co.	France: Roubaix.	Worsted fabrics and merinos .. ..	12	Various fabrics for dresses, of long-combed wool, and combed merino wool.
DE LA RUE and Co.	Belgium: Brussels	Application of Brussels .. ..	12	
DE LA RUE and Co.	France: Roubaix.	Hounce-real .. ..	19	Brussels lace applied on real ground lace, comprising scarfs, veil.
DE LA RUE and Co.	Tuscany; Leghorn	Merinos .. ..	12	Woolen and other fabrics, in various qualities.
DE LA RUE and Co.	France: Roubaix.	Table and vase in scagliola .. ..	27	Rectangular table in scagliola, with various ornaments, and entirely inlaid, in imitation of works in hard pebbles. Round table in scagliola, representing Galileo visited by Milton, in his prison at Rome; with several emblematic ornaments, partly inlaid. Vase in scagliola, entirely inlaid after the Etruscan style.
DE LA RUE and Co.	Belgium: Huy	Iron, sheet iron and steel .. ..	1	Sheet iron and sheet steel for locks and hardwares.
DE LA RUE and Co.	Belgium: Marbais	Plough .. ..	9	Nineteen-fold articulated roller. Triangular weeding-machine, for stubbles. Double plough. Plough with hinder share. Mole-trap.
DE LA RUE and Co.	France: 24 Rue de Bouloy, Paris	Apparatus for saving life from shipwreck .. ..	8	Straw-chopper. Oblique weeding-machine, with six blades. Winnowing machine. Machine for clearing grain and seeds.
DE LA RUE and Co.	France: Siberia	Tapestry .. ..	19	Portable howitzer; priming horn; and an apparatus for saving life.
DE LA RUE and Co.	France: Siberia	Iron and copper .. ..	1	Aubusson carpet; tapestry.
DE LA RUE and Co.	France: Siberia	Collection of raw produce .. ..	4	Specimens of rocks found in auriferous and in platina sands. Native gold. Pine-tree wood. Charcoal.
DE LA RUE and Co.	France: Siberia	Gloves of high-class workmanship .. ..	20	Five collections of raw produce.
DE LA RUE and Co.	France: Siberia	Gloves of high-class workmanship .. ..	20	{ Assortment of ladies' and gentlemen's gloves, of various materials, colours, and styles; with plain and fancy sewing.
DE LA RUE and Co.	France: Siberia	Gloves of high-class workmanship .. ..	20	{ Large assortment of ladies' and gentlemen's superior watches; marine chronometer, with glass balance-spring, glass balance, and compensation for variation of temperature, of platina and silver. Azimuth and altitude compass. Diploidoscope. Astronomical and other clocks. Large church clock.
DE LA RUE and Co.	France: Siberia	Gloves of high-class workmanship .. ..	20	{ Ornaments of bichromate of potash, and of nitrate of lead. Mineral colours, ready calico-printers and dyers, china and earthen-ware, manufactures of various kinds.
DE LA RUE and Co.	France: Siberia	Gloves of high-class workmanship .. ..	20	{ Specimens of model of relief-mapping. Workman's draining level.



DESCRIPTION OF ARTICLES EXHIBED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.
DEKRIER, M. . . . DERVILLE and Co. . . . DEWEY IRON COMPANY . . .	France . . . France : 36 Quai Jemmapes, Paris . . . England : Newcastle-on-Tyne . . .	Music type, founts . . . Marbles from the Pyrenees . . . Large plates of rolled iron, for sway-beams of engines, and ship-building purposes : and a railway bar, 66 feet long . . .	17 1 5
DE SANDOVAL and Co. . . . DESAUGES, A. . . . DETHAUX, J. . . . DESMET, N. . . . DESMET, A. . . . DESMET and Co. . . . DESMET, A. . . .	France : Tarbes . . . France : 57 Quai Valmy, Paris . . . France : 14 Galerie d'Orléans, Paris . . . France : 13 & 15 Galerie Montpensier, Paris . . . England . . . France : 4 Passage St. Avoise, Paris . . . Belgium : Zèle . . . France : Moulins . . . France : 85 Rue de Chaillot, Paris . . . France : 158 & 160 Rue St. Martin, Paris . . . Prussia : Berlin . . . France : 32 Rue d'Enfer, Paris . . . France : 36 Boulevard des Italiens, Paris . . . France : Vauxrot . . . England : Cullumpton . . . France : Liancourt . . . France : Guise . . . Spain : Havannah . . . Prussia : Berlin . . .	Chocolate . . . Mantelpiece and pavement in stone . . . Plan of cutting leather for boots and shoes . . . Cast-iron clock . . . Designs . . . Medallions . . . Flax . . . Printing . . . Silk . . . Good collection of clocks . . . Castings in zinc . . . Holy family on lava . . . Sporting guns and arms . . . French bottle-glass . . . Writing paper, &c. . . . Crucibles . . . Curried calf skins . . . Sugar from Havannah . . . Straw-work . . .	3 27 20 28 30 22 4 17 4 10b 22 30 8 24 17 1 16 3 28
DE TILLANCOURT, — DETOUTHE and HOUDIN . . . DEVARANE and Son . . . DEVERS, J. . . . DEVISNE, — . . . DEVOLANE, Brothers . . . DEWNET, J. . . . DEYUX, — . . . DEZAUX, Lacour . . . DE ZULUETA, — . . . D'HACREUSE, C. . . .	Scotland : Hawick and Glasgow . . . Prussia . . . France : Sèvres . . . France : Heiderbom . . .	Woolen fabrics . . . Plain and figured velvets, and velvet ribbons . . . Painting on China . . . Specimens of iron-castings . . .	12 13 30 22

French type, founts, of various sorts.  
Specimens of rolled iron plates used in the construction of marine engines, and the building of iron ships, 17 to 20 feet long. Rolled keel-iron. A railway bar, measuring 66 feet 9 inches in length.

Specimens of chocolate.  
Carved mantelpiece, two mangers, two filterers.

Boots and shoes.

Travelling and other clocks, chronometers, musical picture.  
Designs for carpets, drapery.  
Medallions, vases for holy water, small statuettes, lamps, and other embossed objects of all kinds.  
Samples of flax dried with seed, grown in 1850.  
Six volumes, ancient Bourbonnais, ancient Auvergne, and Le Velay, four volumes in folio.  
Raw silk from the north of France.  
Chronometers, large and small regulators, mathematical watch-work, watches, &c. Monographic apparatus.  
Zinc casts, lion, panther, Venus, boy with a squirrel, head of Paris, stag's head, lions' heads. Assortment of fine cast-steel. Jewellery.  
Terra-cotta painted with enamel-paste. Virgin, enamel paste on lava.  
Painting with enamel paste, on china.

Muskets. Various fire and side-arms.  
Samples of bells and bottles.  
Specimens of paper.  
Crucibles for the melting of metals, and chemical utensils.  
Curried hides. Calf-skin for shoes. Calf-skin for spinning mills and for harness-makers.  
Samples of sugar.

Bonnets of Brussels, Swiss, and Saxon straw, and Italian chip. Leg-horn bonnet and table-covers, the Prussian and Bavarian arms embroidered with straw, and Manila hemp.  
Scotch lamb's wool hosiery. Plain, shepherdess and fancy tartan wool plaids. Cheviot, Australian, and Saxony wool trousersings.

Plain and figured velvets and velvet ribbons.  
Pictures and copies of pictures done on china after the great masters.  
Iron casting of the Saviour on the cross. Sheet of cast-iron. Ornamental iron-casting, Dishes, stew-pans, and various pieces of wrought iron.



# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	
DILL and MULCHAHEY.	America: Virginia.	Cavendish tobacco	3	Specimen of manufactured tobacco.
DIMOCK, T.	England: Shelton, Staffs.	Earthenware	25	Table plates, tureens, dishes and dish covers. Garden seats richly japanned and gilt. Wine cooler, terra-cotta ware.
DINGINGER, A. F.	Prussia: Berlin	Sofa-carpets	19	Velours carpets. Rugs. Velours for travelling bags.
DITCHBURN, J. T.	England: Blackwall	Models of paddles and screw steam vessels	8	Models of river, coasting, sea-going, and war-steamers, showing the improvements made in steam-ship building in the Port of London since its introduction in the year 1813. "Vladimere" built for the Emperor of Russia; H.M.'s. screw steam-vessel "Sharpshooter," steam-packet "Wonder," iron cutter-yatch "Mystery," "Earl Spencer," one of the last of the passenger sailing-packets that plied between London and Gravesend, built 1796; H.M.'s. "Fairy" screw-steam yatch; a schooner sailing yatch, built for the Grand Duke Constantine of Russia; wrought iron caisson to supersede entrance gates to the new docks at Woolwich.
DITTMAR, Brothers.	Württemberg: Heilbronn	Cutlery	21	Razors and razor strops. Penknives, paper cutters. Wood, Circassian, Greek and Yataghan knives, daggers, hunting hangers and stilettoes.
DIXON and WHITING.	England: Bermondsey	Assortment of varnished and enamelled hides and splits	16	Garden knives and implements. Samples of enamelled, japanned and coloured hides. Extremely large hide split. Hide split into three, the grain enamelled and the two splits japanned.
DIXON, J. and Son.	England: Sheffield	Powder flasks	22	Powder and pistol flasks, shot-pouches, drinking flasks, &c., in precious and other metals.
DIXON and Sons.	England: Sheffield	Britannia metal	23	Sculptured silver candelabra and epergne with crystal glass weighing about 750 ounces. Silver and gilt coffee and tea service with silver salver, modelled from a leaf of the Victoria Regia, and other articles in silver, in best Sheffield plate, and in Britannia metal.
DOLAN, D.	England: Salford.	New kind of seagliola work	27	Seagliola Gothic columns, illustrating a new method of working in Seagliola.
DELBERG, A.	Prussia:	Balance	10	Weighing machine.
DOLLÉUS, Mieg and Co.	France: Mulhouse	Printed muslins and jaconets; also, moseline-de-laines, all wool	18	Pieces of wool, muslin, jaconet, clear muslin.
DONAT, ANDRE and Co.	France: Lyons	Vestings and silks for cravats, in plain, figured, and broché satin and Grenadine	13	Waistcoats and dresses, fancy watered silk, grenadine, satin poplin.
DONAT, J. and F.	France: Lyons	Black silk plush	13	Silk plush for hats, in pieces. Plain hats.
DONAT, J. F.	France: Havre	Machine for weaving improved heads	6	A machine for manufacturing woollen stuffs.
DONAT and REINHARDT	Hesse, Grand Duchy of: Worms	Assortment of varnished calf leather	16	Japanned and enamelled calfskins for shoemakers, and furniture.



DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class
DOVE, C. W. and Co.	England : Leeds ..	Specimens of fine frame Brussels carpet ..	19
DOVER, J.	England : 14 Little New-st.	Balance ..	10
DOVESTON, G.	England : Manchester ..	Cabinet and chair ..	26
DOUCET and DUCLEUC	France : 21 Rue de la Paix, Paris	Embroidered shirts ..	20
DOUGLAS, J. S. and Son	Hamburg ..	Toilet soap ..	29
DOULTON & WATTS & HENRY	England : Lambeth ..	Articles in stoneware and porcelain ..	27
DOUMEC, E. . . .	France : Jouy St. Morin..	Printing and paper ..	17
DOWBIGGIN and Co.	England : 23 Mount-street	Inlaid cabinet, ornamented with porcelain ..	26
DOWLING, H. . .	Van Dieman's Land	Tasmanian printing ..	17
DOWSON, J. E.	England : 123 Oxford-st.	Cundy's hot-air ventilating stove ..	22
DRAKE, Professor F.	Prussia : Berlin ..	Cast, in plaster, of part of pedestal to monument of Frederick William III. of Prussia ..	30
DRAKE, R. . . .	England : 25 Piccadilly ..	Three very beautiful muffs ..	16
DRAPER, —	England ..	Leather ..	16
DREWSON and SONS	Denmark : Silkeborg ..	Writing paper ..	17
DREYSE and COLLENBUSCH	Prussia : Sommerda ..	Copper rivets ..	22
DRON, E.	Belgium : Gosselies ..	Wrought nails ..	22
DROUIN and BROSSIER	France : Labriche ..	Printers' colours ..	11
DUBAR-DELESPAUL	France : Roubaix..	Cotton trousers ..	22
DUBOIS, G. and Co.	Belgium : Verviers ..	Trouser cloths ..	12
DUBOIS, F. Williams	Switzerland : Canton of Neuchâtel	Astronomical clock ..	10b
DUBOIS, A. . . .	Switzerland : Chaudefonds, Neuchâtel ..	Engraved gold ..	23
DUBSKY, Count	Austria : Elssitz ..	Wire tacks, twisted nails ..	23
DUCCI, A. and M.	Tuscany : Florence ..	Organ, with baristata stop ..	10a
DUCCI, A. . . .	Tuscany : Florence ..	Walnut-wood veneers ..	4
DUCHZ, — Sen. and Co,	France : 1 Rue des Petits Pères, Paris	Fine shawls, of Indian wool ..	15
DUCHENE, J. J.	Belgium : Assche-en-Rifail ..	Churn ..	9

Velvet pile Brussels, Kidderminster, and Threeply carpets.  
 Delicate balance for chemical analysis and assaying.  
 Ebony book-case carved in relief. Boudoir chair of carved ebony.  
 Bijouterie cabinet in tulip and king woods, with soveres china panels.  
 Shirting and various made up articles.  
 Samples of soap.  
 Glazed stone-ware drain and water-pipes. Terra-cotta vases, garden pots, and agricultural ornaments. Large pipe in stone-ware, and other articles.  
 Printing, drawing, writing and card papers.  
 Commode of various woods, the panels ornamented with marqueterie and carvings, and painted china in the centre ; the whole finished with richly gilt mouldings. Walnut carved bedstead and cornice, with temporary hangings.  
 Books : Tasmanian calendar, 1848-'49-'50.  
 Cundy's hot-air ventilating stove.  
 Cast of size of a part of the pedestal of the marble monument of Frederick William III. of Prussia, erected at Berlin. Boy reclining, in marble.  
 Russia sable, spotted ermine, and grebe muffs. Coronation robes.  
 Astracan lamb's skin.  
 A remarkable heavy and well-tanned English hide.  
 Specimens of paper glazed by machine.  
 Specimens of percussion-caps. Tin plate, barrel, and copper rivets.  
 Samples of nails made by hand.  
 Various chemical productions.  
 Cotton textures for trousers and other articles of apparel.  
 Winter and summer stuffs for trousers and paletots.  
 Astronomical clock, with lever escapement. Marine chronome tern a new calibre.  
 Gold plate exhibiting ornamental designs for watch-making ; jewellery.  
 Various kinds of iron-wire tacks, and ornamental-wire tacks, for decoration.  
 Organs of new construction.  
 Architectural model to show the application in marqueterie of walnut sheets upon cornices, however complicated without being cut at the angles. Joining of sliding rules, with grooves very complicated and difficult.  
 Long and square figured shawls of every kind.  
 Churns, buckets.



NAME.			LOCALITY.		ARTICLES REWARDED.		Class.	DESCRIPTION OF ARTICLES EXHIBITED.	
DUCLEZEAU, A. Mmc.	..	..	France : Serres	..	Painting of Holy Family, & of Her Majesty, on china	30		Half-length portrait of Her Majesty, and painting of the Holy family, on Sevres china.	
DUFFIELD, C. . .	..	..	America : Kentucky	..	Ham	3		Specimens of smoked hams in canvas.	
DUFOSSE and MEENOTE	..	..	France : 20 Rue de la Paix, Paris	..	Excellent workmanship in boots and shoes	20		Improved ladies' boots and shoes.	
DUFOSSE, — Sen.	..	..	France : 13 Rue St. Dominique, Paris	..	Strong work in boots, &c.	20		Waterproof hunting boots:	
DUFORT, L. . .	..	..	Sardinia : Genoa	..	Quinine	2		Samples of sulphate and citrate of quinine.	
DUGARD, N. and H. . .	..	..	England : Birmingham	..	Carriage lamps	22		Carriage lamps, horse-collar, improved pattern of hair horse-saddles, thiller cart-horse collar.	
DUHAYO, BAUNFAUT and Co.	..	..	Belgium : Brussels	..	Wide and narrow Valenciennes laces	19		Valenciennes and Brussels lace.	
DUKE and Son	..	..	England : Peshurst	..	Articles used in the game of cricket	29		Articles used for the game of cricket.	
DULEY, J. . .	..	..	England : Northampton	..	Cottage cooking stove	22		Self-acting effluvia trap. Cooking stove.	
DUMAINE, X. . .	..	..	France : Tournon	..	Organzines	19		Yellow raw spun silk. Organzine employed in manufacturing the rich stuffs, ribbons, crapes, and satins of Lyons and St. Etienne.	
DUMORTIER, L'.	..	..	France : Bousbecque, near Lille	..	Flax	4		Bunch of raw flax, French growth, retted in the river Lys in 1849.	
DUMORTIER and Co. . .	..	..	France : Lyons	..	Stearic candles	29		Box of French wax candles.	
DUNAINE, J. A.	..	..	France : 13 Rue Lepelletier, Paris	..	Town Berline, well-formed, and got up in a superior manner	5a		Four-wheeled carriage, of the description called town-Berline.	
DUNN, W. . .	..	..	Canada : Quebec	..	Porcupine quill chair	28		Embroidered chairs.	
DUPONT, P. . .	..	..	France : 55, Rue de Grenelle St. Honoré, Paris	..	Printing and fac-similes	17		Lithography, lithotypography. Stereotype on stone, and stones for lithography.	
DUPORT, V. . .	..	..	France : 16, Rue des Francs Bourgeois St. Marcel, Paris	..	Three split hides, of twice the usual length	16		Hides of large size prepared by a new process.	
DUPRAT and Co. . .	..	..	France : Castres	..	Cork in sheets	28		Corks and sheets cut by machinery.	
DUPRE DE ST. MAUR.	..	..	Algeria : Orbal	..	Cotton	4		Soft wheat, tobacco leaves, Jumel cotton wool, madder roots.	
DURAND, F. . .	..	..	France : 41 Rue du Bac, Paris	..	Tea service	23		Tea-service, consisting of 17 pieces. Table centre piece, accompanied with four crystal cups.	
DURAND, E. F. . .	..	..	France : 6 Rue St. Claude, Paris	..	Cabinets	26		Arm chairs in mahogany and gilt. Chairs and sideboard. Bookcase.	
DURANTON, J. B. . .	..	..	France : 11 Rue St. Joseph, Paris	..	Shirt fronts, loom-made, in imitation needle-work	11		Cotton and linen yarn fabrics for shirt-fronts.	
DURHAM, J. B. . .	..	..	England : 450 New Oxford-st.	..	Chatelain	23		Cutlery with illustrations of manufacture. Cut steel chatelain in the antique style, with improved scissors and tablet.	
DUTCH RAILWAY COMPANY.	..	..	Netherlands	..	Models of railway draw-bridges	7		Model of a crane-bridge, on the Dutch Railway, constructed over the Rotterdam, Schiedamschen and Dordtschen canals. Model of a rolling stock, consisting of a steam locomotive, a passenger carriage, and a freight wagon.	

DUTERTRE, A.	..	Switzerland : Geneva	..	Enamels	..	23	Gold pocket-book. Gold cigar-case, with watch. Gold purse, ring and bracelet. Walking-stick head.
DUVAL, A.	..	France : Chen	..	Silk	..	4	Yellow and white silk yarn, especially suited to lace and blonde manufacturing.
DUVILLEROY, P.	..	France : 17 Passage Panorama, Paris	..	Fans	..	29	One hundred fans of various kinds, carved and painted.
DUZONGLAU, MESSRS.	..	Turkey	..	Writing Papers	..	17	Writing papers.
FARNSHAW, H.	..	England : 21 Wimpole-st.	..	Case of harness	..	16	Blue morocco bridle, hunting breastplate and other harness. Improved dumb jockey. Victoria and hunting bridles.
EARLE, T. K. and Co.	..	America : Boston	..	Card clothing	..	6	Machine cards.
EARLY, J. and Co.	..	England : Witney	..	Witney blankets	..	12	Variety of Witney blankets.
EAST INDIA COMPANY, the Hon.	..	India	..	Wootz steel and manufacture	..	1	Wootz steel and manufacture.
EAST INDIA COMPANY, the Hon.	..	As above	..	Collection of rice, teas, spices, and cigars	..	3	Collection of rice, teas, spices, and cigars.
EAST INDIA COMPANY, the Hon.	..	As above	..	Collection of Indian papers	..	17	Collection of Indian papers.
EBART, Brothers	..	Prussia : Berlin	..	Paper, glazing boards, and carton-pierre for roofing	..	17	Hand papers for bank-notes, &c., and machine papers from the paper-mill at Spechthausen ; and glazing boards and carton-pierre for roofing from the paper-mill of Weltlage, near Neustadt-Eberwalde.
EBBW VALE COMPANY, the	..	Wales : Abergavenny	..	Collection of manufactured iron, models	..	1	Coal, ironstone, &c., from the Ebbw Vale and Coalbrook Dale. Maps and models of the mineral fields and workings.
EAST INDIA COMPANY, the Hon.	..	England : 88 Upper Thames-st.	..	Railway bars	..	5	Section of every description of railway bars, used on different railways.
ECHINGER, Brothers	..	Austria : Vienna	..	Vestings	..	15	Waistcoatings and woollen scarfs for gentlemen.
ECHOYD, W. and Son	..	England : Burnley	..	Genappe yarns	..	12	Power loom Cobourg cloth wool, Orleans cloth, Saxony Orleans cloth, mousseline-de-laine, power loom Saxe Cobourg cloth, power loom barège de laine, made from cotton and wool, buntin for colours, &c.
EDLSTEIN and WILLIAMS	..	England : Birmingham	..	Pins	..	22	Worsted head yarn, Genappe cord, press bagging.
EDGE, J.	..	England : Coalpool, Shropshire	..	Pit chains	..	22	Pins, the heads and shafts in one solid piece, made by improved machinery. Elastic hair-pins. Iron wire.
EDGE, T.	..	England : Westminster	..	Gas-meter	..	22	Model of a pair of pit frames, with barrel and flat chains. Wood and iron-keyed flat chains for pits.
EDWARDS, T.	..	England : Birmingham	..	Five-horse power direct-acting steam-engine	..	5	Wet and dry gas-meters. Prothometer to ascertain the illuminating power of gas.
EDWARDS, F.	..	England : 42 Poland-st.	..	Arnott's stove	..	22	Five-horse power direct, acting high pressure steam engine. Circular, corrugated, and oblong Dr. Arnott's stoves, for warming churches, halls, &c. Dr. Arnott's ventilating valves and wind-guards.
EDWARDS, T. J.	..	England : 21 King-st., Holborn	..	Dressing-cases	..	29	Various dressing cases.
EGELLES, F. A.	..	Prussia : Berlin	..	Cast-iron chimney-piece	..	22	Cast iron chimney piece varnished ; two side pieces of cast iron.
EGGE, Ferdinand Count Von	..	Austria : Lippitzbach, Friezbach, and Feistritz	..	Iron and steel	..	1	Hoop, square, and cylindrical iron. Rolled saw blades of raw steel, plates of cast iron for cementing. Selection of Breschian steel, including cast, acedalon, fir, and soythe steel. Musical string, cording, currying, bed spring and pit rope wires. Fine middle & ordinary wire.



NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
EGGER, J. B. . . . .	Austria : Villach . .	Leadon pipe 900 feet long, in one piece . . . .	22	{ Pressed leaden pipe, 900 feet long, in one piece. Two pieces of pressed leaden pipe, tinned. These leaden pipes were especially worthy of observation, on account of their great length, thinness, and quality. A fur carpet.
EGGERS, F. . . . .	Russia . . . . .	A fur carpet . . . . .	16	
EGYPTIAN GOVERNMENT . . . . .	Egypt . . . . .	Collection of 165 volumes of books, printed in the Arabic, Persian, & Turkish languages ; likewise for a catalogue of all the books published in Egypt	17	
EHRENZELLER, F. . . . .	Switzerland : St. Gall . .	Net and muslin curtains . .	19	Embroidered curtains of various kinds.
ETCHNER, G. L. . . . .	Bavaria : Nürnberg . .	Mechanical toys . . . .	29	Varnished toys of tinned iron plate.
ETCKHOLT, Anton, Heirs of . . . . .	Prussia : Warendorf . .	Designs of damasks, and colours of linen . . . .	14	{ Brown and white linen table-cloths and napkins, with wreaths of flowers and views.
EINSEDEL, Count G. . . . .	Prussia : Lauchhammer . .	Cast-iron goods . . . . .	22	{ Cast-iron goods. Ornamental bronze casts. Bust of the Prince of Prussia. Polar bears, monkeys, tigers, modelled from animals in the London Zoological Gardens.
EISENBRANT, C. H. . . . .	America : Baltimore . .	Clarionets and flutes . . . .	10a	Flutes, &c. Printing machine for the blind.
EKATERINBURG, Imperial polishing manufactory of . . . . .	Russia : Perm . . . . .	Jasper vases . . . . .	27	Bordered vase of greenish jasper.
ELLIOT, W. . . . .	India : Vizagapatam . .	Cattimundoo resin . . . .	4	Gum and resin series, including products of Arabia, Bengal, Vizagapatam.
ELLIOTT and Sons . . . . .	England : 56 Strand . .	Drawing instruments . . . .	10	{ Drawing instruments. Dumpy level. Theodolites. Transit instrument. New instrument for measuring distance. Telescopes. Opera-glasses. Standard English yard. Slide-rule. Azimuth and altitude instrument.
ELLIOTT and Son . . . . .	England : Birmingham . .	Buttons . . . . .	22	Fancy buttons for ladies' dresses. Gilt and plated buttons. Silk, velvet, satin, Florentine, and linen buttons. Pearl buttons, with metallic rims.
EMMERICH and GOERGER . . . . .	France : Strasbourg . .	Assortment of coloured and black morocco . . . .	16	Morocco leather of various colours. Gilt sheep-skins.
ENFER, E. . . . .	France : 32 Rue de Malte, Paris . .	Blowing machine . . . . .	5	Various blowing machines.
ENGEL, F. . . . .	Prussia : Berlin . . . .	Wave surface . . . . .	10	Model of Fresnel's undulating plain. Model of an Ellipsoid.
ENGELER, H. M. and Son . . . . .	Prussia : Berlin . . . .	Painting brushes . . . . .	28	Assortment of brushes of every kind and description. Plate with the royal Prussian arms, &c., formed of hair in the manner of brushwork.
ENGLAND, G. and Co. . . . .	England : New Cross . .	Tank locomotive engine ; traversing screw-jack . . . .	5	Improved locomotive engine, for light traffic, and express trains.
ENRIQUEZ, J. N. . . . .	Spain : Velez Malaga . .	Cane-sugar, from Malaga . .	3	Refined sugar, from the cane grown in the neighbourhood of Malaga.
ENSOR, T. . . . .	England : Milbourne Port, near Sherborne . . . . .	2-finger gauntlets & gloves . .	20	Fur gloves ; gloves lined with plush, wool, &c. ; kit, goat, calf, sheep, deer, fawn, and purse gloves.
ENTHOVEN, K. L. . . . .	Netherlands : Hague . .	Iron crane, for lifting and weighing . . . . .	5	An iron crane, for weighing and lifting.
ERICSSON, J. . . . .	America : New York . .	Sea-lead ; pyrometer . . . .	10	Instruments for taking soundings, and measuring distances at sea. Marine barometer. In-

DESCRIPTION OF ARTICLES EXHIBED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBED.
EATL and Son .. ..	Bavaria; Reichenbach ..	Universal astronomical instrument .. ..	5	Astronomical universal instrument; constructed on most recent principles, with telescope.
ESDAILES and MARGRAVE ..	England: City Saw Mills ..	Cork veneer .. ..	28	Specimens of novel uses of cork, and of preparations of cork by steam machinery; applicable to the making of hats, mattresses, bolsters.
ESSEX, W. .. ..	England: 3 Osnaburg-st.	Collection of enamel paintings .. ..	30	Extensive collection of enamel paintings.
ESTHONIA, the Government of ..	Russia: Esthonia ..	Flax .. ..	4	Flax, sorted.
ETHELD, Melsen .. ..	Tunis .. ..	Dates .. ..	3	Collection of varieties of Dates.
ETEX, A. .. ..	France: Paris .. ..	Various works of sculpture, in plaster and marble .. ..	30	Two groups in plaster.
EVANS and Co. .. ..	England: Old Change ..	Collection .. ..	10c	Surgical instruments.
EVANS, and Co .. ..	England: 121 Cheapside ..	Printed silk-handkerchiefs .. ..	18	British and foreign silk handkerchiefs, dresses, and table-covers.
EVANS, R. and Co. .. ..	England: 24 Watling-st.	Silk fringes, braids, and fancy buttons .. ..	19	Silk ornaments, bell-pulls, curtain-holders, cords, gimps, tassels, rosettes, and trimmings.
EVANS and Son .. ..	England: 33 King William-st.	Cooking apparatus .. ..	22	Register and warm-air stoves, for drawing-rooms, cabins, &c. Kitchen-ranges, including improved cooking apparatus, A classic pedestal lamp.
EVANS, W. .. ..	S. Wales: Brecknock ..	Artificial leg .. ..	10c	Artificial leg, to enable persons who have lost the knee either to walk or ride.
EVANS, J. S. .. ..	England: 64 Berwick-st.	Specimens of binding in white vellum .. ..	17	Bookbinding; and leather stained in imitation of woods.
EVERITT and Son .. ..	England: Birmingham ..	Brass and copper tubes .. ..	22	Copper and brass tubes, for locomotive and machine boilers, gas, steam, &c. Specimens showing process of manufacture of rolled metals; and of brass and copper wire.
EWING, J. H. .. ..	America: Washington ..	Wool .. ..	4	Specimens of wools.
EYRE, WARD and Co. .. ..	England: Sheffield ..	Cutlery .. ..	21	Table-knives, commencing with the cheapest and commonest manufacture for export. Ivory, silver, and other descriptions of table-cutlery. Razors, including the cheapest serviceable razor to the most costly. Pocket and pen-knives. Dagger and bowie knives. Scissors, scythes, and sickles.
EYRES, W. and Sons .. ..	England: Leeds .. ..	Woollen cloths .. ..	12	Woollen cloths.
FABER, A. W. .. ..	Bavaria: Stein near Nürnberg ..	Black-lead pencils .. ..	17	Patterns of black-lead pencils.
FABIAN, C. G. .. ..	Prussia: Humboldtsau nr. Breslau ..	Pine-needle fibre .. ..	4	Pine-needle wool for upholstery, intended to guard against moths, and for wadding. Pine-needle wool wadding mattresses and bolster. Pine-needle wool oil, used for medicinal purposes.
FACV, R. .. ..	England: Wapping-wall ..	Orrery .. ..	10	Vertical orrery.
FAESSLER, J. A. .. ..	Switzerland: Appenzell ..	Milk-tubs .. ..	28	Milk tubs in miniature.
FALISSE and TRAPMANN ..	Belgium: Liege .. ..	Percussion caps .. ..	22	Arms and percussion caps.
FALLOUSE, J. .. ..	Belgium: Liege .. ..	Damascene steel .. ..	23	Steel shield, iron and silver-gilt drinking-cups, steel bracelet, iron vase, steel pins.
FARADAY and Son .. ..	England: 114 Wardour-st.	Gas chandelier, on Professor Faraday's principle .. ..	22	Gas chandelier on Professor Faraday's principle, by which all noxious products are carried off.



FARINA, J. M.	..	Prussia: Cologne..	..	Eau de Cologne ..	..	29	Eau de Cologne of the genuine sort, arranged in Gothic carved case, the first had existed since 1799.
FASSIK, — jun.	..	France	..	Waistcoatings	..	15	Waistcoatings.
FAUDEL and PHILLIPS	..	England: 38, 39, & 40 Newgate-st.	..	Embroidered hangings for a State bed ..	..	19	{ State-bed in needlework, the bedstead of carved wood, richly gilt. Patterns for needlework and crochet. Worsteds yarns, silks.
FAULKNER, R. and C.	..	England: 44 Jernyn-st..	..	Preserved fruits ..	..	3	Preserved fruits.
FAUTLEROT, R. and Sons..	..	England: Potter's Fields, Tooley-st.	..	Collection of Woods	..	8	Extensive collection of foreign hard and fancy woods. An elephants' head, with tusks and grinders. Variety of elephants' hippopotamus' and walrus' teeth, and sea-unicorn's horns. Mother-o-pearl shells. Corozo nuts or vegetable ivory, and coquilla nuts.
FAUVELLE-DELEBARRE, —	..	France: 10 Boulevard Bonne Nouvelle, Paris	..	Tortoise-shell combs	..	28	Tortoise-shell and buffalo-horn combs.
FEAU-BECHARD, V. A.	..	France: Passy-les-Paris	..	Skein-dyed woollen yarns for shawls	..	18	{ Woollens and cashmeres dyed in various colours, for manufacturing cashmere shawls and fancy articles.
FETHAM, MILLER, & SAYER	..	England: 9 Clifford-st., Bond-st.	..	Stove-grates (and special approbation)	..	22	Fire-grates, stoves, fenders, &c. Locks, finger-plates, fire-irons.
FEHR, J. C.	..	Switzerland: St. Gall	..	Jacquard muslins	..	11	Jaconet, gauze, figured muslin, bobbinet shawl, muslin dress.
FELIX, A.	..	France: 40 Rue St. Honoré, Paris	..	Fans ..	..	29	Fans of all descriptions. Jewellery, and French skins for fans.
FENN, J.	..	America: New York	..	Comb ..	..	28	Ivory articles, one comb having 150 teeth in the inch, was cut by manual labour, and exhibited for workmanship.
FENNEY, Frederick	..	England: Sheffield	..	Razors ..	..	21	Razors, including specimens of the best work, new in pattern and design. Specimens shewing the different stages of the manufacture of the blade.
FERGUSON and Sons	..	England: 21 Gillespie-st.	..	Collection ..	..	10c	Complete set of surgical instruments, for capital and minor operations. Apparatus used in orthopaedic surgery.
FERGUSON, MILLER, & Co..	..	Scotland: Heathfield, nr. Glasgow	..	Vases in terra-cotta	..	27	Fire-clay Warwick vase, with flower-vase, and glazed stoneware pipes of the same.
FERUELLE and ROLLAND ..	..	France: St. Quentin	..	Novelty of design and beauty of manufacture in coloured and figured muslins ..	..	11	{ Stoves, and broché for furniture. Plain and figured muslins and tartanets. Fancy stuffs for dress.
FERRIER, Hon. J.	..	Canada: Montreal	..	Quality of iron ..	..	1	Specimens of iron, bog-iron ore, and refractory sandstone.
FERROL, the Royal Manu- factory of Isabella II., at	..	Spain: Ferrol	..	Canvas ..	..	14	Linen canvas.
FERVELADGI, (the Tailors' Association) of Janina..	..	Turkey	..	Albanian Costumes	..	20	{ Male, embroidered in gold, and consisting of jacket, vest, gaiters, tastanalle garters, belt for arms, three pieces, piece of shawl. Female, one long and one short gown, vest, jacket, and mentar trousers, or shawm, shirt, sash, and slippers.
FERY, A.	..	France: La Teste..	..	Rice from the Landes of Bordeaux	..	3	Samples of raw and shelled rice.
FEXEUX, N. D. M.	..	France: 10 Rue Taranne, Paris	..	Series of fécules and similar substances ..	..	3	Chocolate, alimentary flour.
FIEDLER, A. G.	..	Russia: Upatovka	..	Woollen cloths ..	..	12	Samples of cloth.
FIELD, J. C. & J.	..	England: 10 Wigmore-street	..	Stearic acid ..	..	29	Samples of stearin, produced entirely from tallow.
FIECK and Co.	..	Prussia: Posen	..	Various fine teas	..	3c	Various sorts of tea, produced in Prussia.



DESCRIPTION OF ARTICLES EXHIBED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBED.
FIGGINS, V. and J. ..	England : West-street, Smithfield	Types .. .. .	17	A form of pearl type containing upwards of 220,000 pieces of moveable metal, and weighing 140lbs, supported only by the lateral pressure of locking-up, exhibited to illustrate the truth of type-manufacture, Type-mould, polytypes, and electrotypes.
FILEMONOFF, Kosma ..	Russia : Jaroslaff, Rylsk	Hemp .. .. .	4	Hemp.
FINCH and WILLEY ..	England : Liverpool ..	Model of a wrought-iron bridge over the Wye .. }	7	{ Model of a wrought-iron bridge to carry the South Wales Railway over the river Wye, at Chepstow.
FINCH, J. ..	England : 6 Pickett-st., City-road	Baths .. .. .	25	Baths and wash-tubs. Porcelain wash and steam-tubs. Glazed bricks and slabs. Porcelain tile-bath.
FINLAYSON, F. and Co.	Scotland : Glasgow ..	Beauty of design and superiority of execution in fast coloured sprigged lappets	11	Lappet muslins, tartan, and lappets. Lappet founced muslin dresses.
FINLAYSON, BOUSFIELD, & Co.	Scotland : Glasgow ..	Strength, taste, and neatness in threads .. }	14	{ Linenthread, common satin finish, in best and second quality for tailoring purposes.
FINO, J. ..	Sardinia : Turin ..	Brushes .. .. .	28	Specimens of various kinds of brushes.
FIRMIN and Sons ..	England : 163 Strand ..	Buttons .. .. .	22	Specimens of buttons. Stars of the Order of the Garter, the Thistle, and of St. Patrick. Swords.
FIRTH and Sons ..	England: Heckmondwike, nr. Leeds	Blankets with cotton warp	12	Blankets, coatings of Alpaca wool, mohair, and camels' hair. Cotton diaper rugs.
FISCH, Brothers ..	Switzerland : Buchler, Canton of Appenzell	Net curtain .. ..	19	Muslin dress, and curtains embroidered.
FISCHER, Anton ..	Austria : St. Aegydi ..	Steel and iron : iron wire	1	Iron-ore, and pig-iron. Spring-steel. Various samples of rolled bar iron. Assortment of iron wire. Samples of files.
FISCHER, Anton ..	As above .. ..	Files .. .. .	21	As above.
FISCHER, Anton ..	As above .. ..	Articles of malleable cast-iron	22	As above.
FISCHER, C. A. ..	Litbeck .. ..	Double gun, rifle, & pistols	8	Guns, double-barrelled rifle, with case, fowling piece, and rifle. Specimens of paper. Plate paper, for stone and steel plates, printing paper, tissue paper, white and rose-coloured, writing paper, drawing paper, worked on the endless machine, and sized with vegetable glue, vegetable paper for counter-drawing, paper for documents, notes, and bank-notes. Gigantic millboard for waggon manufactories.
FISCHER, C. F. A. ..	Saxony : Bautzen. .	Assortment of paper ; specimen of mill-board .. }	17	{ Figures in bronze, eagle, girl playing, a Danaide. Vases, dinner, tea, and coffee services, candlesticks, &c. of porcelain. Portrait of the Empress of Russia in onyx. Composition. Pnyxus and Helle, relief in ivory. Black silk lace and piece goods, blonde machine-run curtains, tambour-drawings, needlework, quiltings.
FISCHER, C. H. ..	Prussia : Berlin ..	Figures in bronze ..	22	Maple sugar.
FISCHER, Moritz ..	Austria : Heread, Hungary	Porcelain .. ..	25	Indigo obtained from Wrightia, and cotton.
FISCHER, K. ..	Prussia : Berlin ..	Medals .. .. .	30	Specimen of bank-note printed in chemical water-colour, in two colours at one operation.
FISHER and ROBINSON	England : 12 Watling-st ..	Imitation laces ..	19	
FISHER, Arthur ..	Canada .. ..	Maple sugar .. ..	8	
FISHER, G. F. ..	India : Salem ..	Indigo and cotton ..	4	
FISHER, J. H. ..	England : Hloxton ..	A new mode of printing from copper-plate in two colours at once, with a peculiar sort of ink, suitable for bank-notes and cheques .. ..	17	



NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
FISTER, J.	Spain : Barcelona	Rich black blonde dress and mantilla	19	{ Blondes : large kerchief of black blonde with flowers, mantilla of black blonde. Black and white blonde veils. Seven views of Rome and Albrun, and other views Carpets of various kinds, short-nap carpets. Kitcheners, or cooking grates.
FLACHERON, F.	France : Ronne	Talbotypes	10	
FLAISIER, Brothers	France : Nimes	Alayuck velvet carpets	19	
FLAVEL, S.	England : Leamington	Cooking apparatus (and special approbation)	22	
FLAUD, H. P.	France : 27 Rue Jean Goujon, Paris	Five-horse power vertical cylinder direct-acting high-pressure engine, for working at high velocities with high-pressure steam	5	{ Steam engine of twenty-five horse-power. Fire-engine with apparatus. Wood, amber, and meerscham cigar-holders, and tobacco-pipe tubes. Assortment of meerscham tobacco-pipe bowls. Chess-board of ivory with figures. Samples of bristles.
FLOGE, G.	Austria : Vienna	Amber for pipes, and pipe-tubes and bowls	29	
FOESE, G.	Prussia : Halle	Brushes	28	{ Youth at a stream, and Ino and Bacchus in plaster. Silk velvet of different shades. Hydraulic apparatus of various kinds. Paisley woven, printed, tartan wool, embroidered, and figured gauze shawls. Embroidered handkerchiefs. Wool mufflers. Embroidered vests and robe. Tartan and printed dresses.
FOLEY, J. H.	England	Sculpture	30	
FONTAINE, F.	France : Lyons	Vesting and garment silks	13	{ Ornaments worked in hair and gold. Jewellery, ornamental frame, containing the miniatures of Her Majesty, Prince Albert, and the Royal Family, mounted in hair and gold. Laces : royal Irish guipure ; Irish applique ; Limerick lace dresses, flouncings, scarfs. Violin, viola, violoncello, &c., made after the models of " Old Forster." Woolen cloth. Spanish stripes. Ladies' cloth, lilae. Royal, or three-quarters and black fine cloth. Various samples of wool and yarns. Inhaber Eines, and other fabrics. Lengths of cloth, and cones of felted cloth for pianos. Marqueterie writing-table in old German or Gothic style, of rosewood, inlaid with different metals, &c. ; and portraits in the same style. Portfolio similarly executed. Portfolio in renaissance style ; another in bull style. Preserved and dried fruits, and edible seeds, from various countries. Silk varieties of honey. Bandannahs, and silk-plush gloves. Embroidered ribbons. Fancy basketry. Feather, march-hust staffs and bones, and a variety of other articles.
FONTAINE, P.	France : 58 Faubourg St. Honoré, Paris	Brass pans	22	
FORBES and HUTCHINSON	Scotland : Paisley	Shawls	15	
FORRER, A.	England : 136 Regent-street	Ornaments worked in hair and gold	16	{
FORREST, JAMES and Sons.	Ireland : Dublin	Jacket flouncings	19	
FORSTER, S. A.	England : 13 Macclesfield-st.	Violoncello, violin, & viola	10a	{
FORSTER, F.	Prussia : Grueneberg	Spanish stripes	12	
FORSTER, —	England : Streatham	Waterproof cloaks	28	
FORTIN-BOUTELLIER.	France : Beauvais	Felt cloths for pianos	12	
FORTNER, F. X.	Bavaria : Munich	Inlaid cabinet	27	{
FORTNUM, MASON and Co.	England : 182 Piccadilly	Fine collection of dried fruits	3	
FORTER, PORTER and Co.	England : 47 Wood-st.	Plush plumage gloves	20	
FORTER, SON and DUNCAN.	England : 16 Wigmore-st.	Flowers in canisters	20	



## NAME.

## LOCALITY.

## ARTICLES REWARDED.

## Class.

## DESCRIPTION OF ARTICLES EXHIBITED.

Foster, J. and Son..	England: Bradford	..	Worsted stuff goods, including also the award for alpaca, mohair, and lustre yarns	12	{ Goods made of cotton and alpaca, of cotton, silk and alpaca, of silk and alpaca, and of cotton and mohair. Fancy coatings, vestings, clothé, damasks. Alpaca, mohair, and worsted yarns.
FOUCHE-LEPILLETIER, —	France: Javel, near Paris	..	Chemical products	2	Various chemicals and manures.
FOULQUET, Mlle. and Co. .	France: 20 Rue Hauteville, Paris	..	Collars, half-shawls	19	Collars, points, shawls, kerchiefs, and other articles of knitting work.
FOURDRINIER, E. N. .	England: Sunderland	..	Safety cage for mines	5	Safety apparatus for preventing loss of life and property, when a rope or chain breaks in shafts of mines and collieries.
FOWLER, —	Van Dieman's Land: Maria Island	..	Woods	4	Dogwood and muskwood slabs. He-oak. Iron wood or Lignum Vitæ of Tasmania.
FOWNES, Brothers..	England: 41 Cheapside	..	Gloves	20	Ladies' gloves, from kid skins, produced in Ireland and dressed in England. Gloves from French-dressed kid skins. Silk, velvet.
Fox, Henderson, and Co...	England	..	Derrick crane	5	Lisle thread, beaver, Vicuna wool, and other gloves.
Fox, Alfred .	England	..	Fishing nets	8	Derrick crane and models. Proving press and pipes.
FRACCAROLI, Innocenzo .	Austria: Milan	..	Statues in marble, of Achilles wounded, and David slinging the stone	30	Fine specimens of nets, Seine, &c., for pilchards.
FRAIKIN, C. A. .	Belgium: Schaerbeek	..	Psyche carrying off Cupid in plaster	30	{ Two statues in marble, the wounded Achilles, and David slinging the stone. Group in marble, Atala and Chactas.
FRANCESCHINI, G. .	Tuscany: Prato	..	Silk	4	Statues of Cupid, Psyche, &c. Small plaster statue.
FRANCHE, C. .	France: 42 Rue de l'Université, Paris	..	New repetition-action in a piano-forte	10a	Raw silk, from the exhibitor's spinning mills.
FRANÇILLON, —	France:	..	Dye of merinos, exhibited by Paturle, Lupin & Co.	18	Two pianos.
FRANCIS and Son	England: Nine Elms	..	Parian cement	27	{ Pure wool and woollen and silk fabrics. Barège, muslins, merinos, summer materials.
FRANKENFELD, the Royal flock at	Prussia: Wrietzen on the Oder	..	Wool	4	Specimens of Parian cement of various qualities. Medina cement.
FRANZ, J. .	Prussia: Berlin	..	Bronze figure of Victory	22	Fleece of a ram and of ewes, sheared in spring, 1850. Samples of wool.
FRASER, Douglas .	Scotland: Arbroath	..	Canvas made by steam-power looms	14	Bronze figure of Victory after the original of Rauch. Bronze figure of Victory recording her heroes.
FRATIN, —	France: 43 Rue de Trévise, Paris	..	Group of eagles in bronze	30	Navy bleached and boiled canvas. Improved brown canvas flax warps.
FREBEL, L. .	Prussia: Berlin	..	Bronze Newfoundland dog	22	Group of eagles in bronze.
FREEMAN, W. and J. .	England: Westminster	..	Granite obelisk	27	Newfoundland dog in bronze, after the model of Møller, figure and base cast in one piece and not retouched by the chisel. Bronze figure, with pedestal, representing Hope, after the model of Rauch.
FREEMAN, E. and J. .	England: 3 Wigmore-st.	..	Spermacetti candles	29	An obelisk in granite. Sundry large slabs and blocks of stone.
FREY, — Jun.	France: Belleville	..	Machine for making nails	6	Fine transparent wax and spermacetti lights, with plated wicks and other candles and night-lights. Materials in the manufactured state, Refined oils.
FREYVOGEL and HUSSER..	Switzerland: Eâle	..	Figured ribbons	13	Machine for nail making on a new system.
FRIEDRICH, J. .	Austria: Vienna	..	Meerschmum pipe-bowls and cigar-tubes	29	Specimens of ribbons.
F. BINNEY, F. R. .	England: 63 Cannon-st...	..	Brushes	28	Cigar mouth-pieces of meerschmum and amber, with letters, figures. Brushes for painting and graining.





NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
FRODSHAM, C. . . . .	England : 84 Strand . . . . .	Chronometers and watches . . . . .	0 b	Astronomical clock. Marine chronometers. Gold pocket chronometers and lever watches. Double rotary escapement. Day of the month watch. Specimen of gold lever watches with the split-second second's-hand movement. Railway watches. Portable chime and other clocks.
FROELY, A. . . . .	France : Besançon . . . . .	Fine files . . . . .	21	Various files made of French cast-steel, some cut by hand, others by machinery.
FROST, J. . . . .	England : Macclesfield . . . . .	Improved silk machinery . . . . .	6	Models of improved self-winding machine and cleaning frame, of a spinning and doubling machine, of a throwing mill, with spindles turned by friction.
FAY, J. S. and Sons . . . . .	England : Bristol . . . . .	Series of cocoa and other substances used in the preparation of chocolate . . . . .	3	Trunk of cocoa-tree, and specimens of leaves, flowers, pods, and nuts, from the West Indies, and manufactured cocoa and chocolate.
FAY, J. . . . .	England : Godalming . . . . .	Liste thread hose, of excellent make, and Segovia goods . . . . .	20	{ Lisle thread hose embroidered. Fleecy breast-plates. Segovia shirts and pantaloons. Merino shirts and vests. Cotton pantaloons, drawers and shirts.
FUCHS, J. N. von . . . . .	Bavaria : Munich . . . . .	Freseo, exhibited by J. MÜHR . . . . .	30	{ Stereochromic picture upon mortar-ground, plastered on wood, a new method for producing indestructible paintings on walls.
FUNK, R. M. . . . .	Prussia : Gladbach . . . . .	Mixed cloths and dresses . . . . .	15	{ Samples of Victoria china crape and toile du nord, pocket handkerchiefs, diamond cotton, demilin, Germanina and sole, cotton and silk, gloria, silks and wool.
FURNESS, W. . . . .	England : Liverpool . . . . .	Machines for tenoning, morticing, planing, and moulding wood . . . . .	6	{ Machines for working in wood. Power and foot-morticing machines. Tenoning and planing machines.
FURSTENBURG, Prince . . . . .	Austria : Bohemia . . . . .	Stoves, monuments, crucifix . . . . .	22	{ Various samples of wrought and stretched iron, round and flat-angle iron, carriage-spring iron, ploughshares, spring-iron, sheet-iron for boilers, wrought lathe-spindles. Several cast-iron stoves and monuments. Colossal crucifix, chains.
FURSTENHOFF, Emma . . . . .	France : 17 Rue de Choiseul, Paris . . . . .	Artificial flowers and materials . . . . .	29	{ Artificial flowers for the study of botany.
GABAIN, George . . . . .	Prussia : Berlin . . . . .	Silks in damask, and broccatelle for furniture . . . . .	13	{ Various silk goods. Silk and cotton, silk and gold, and silk and silver goods, of original designs.
GADAMANN, H. . . . .	Bavaria : Schweinfurt . . . . .	Ultramarine . . . . .	2	{ Specimens of blue, black, and green ultramarine.
GAGNEAU, Brothers . . . . .	France : 25 Rue d'Enghien, Paris . . . . .	Lamps, bronzes, &c. . . . .	22	{ Lamps, bronzes. Suspended mechanical lamps, for dining-rooms, and other purposes.
GALLEGO, J. . . . .	Spain : Malaga . . . . .	Guitarra harpa . . . . .	10	{ Guitarra harpa.
GALLI, Antonio . . . . .	Austria : Milan . . . . .	Statue in marble, Susannah . . . . .	30	{ Three statues in marble : Susannah at the bath ; Jephtha's daughter, and another.
GALACIER and Co. . . . .	France : Bigny and Forceneuve . . . . .	Quality of iron, (known as Berry iron) . . . . .	1	{ Best iron, called Berry iron, proper for agriculture, edge-tool making, ironmongery, machine and carriage building.
GALY-CAZALAT . . . . .	France : 14 Rue Charlot, Paris . . . . .	Marometer, upon the hydraulic principle . . . . .	10	{ New oscillating engine. Marometer and safety apparatus in cases of a steam engine.
GAMMA, the Marquis of F. . . . .	Austria : Vienna . . . . .	Marometer, upon the hydraulic principle . . . . .	10	{ New oscillating engine. Marometer and safety apparatus in cases of a steam engine.



NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
GAYLE, J. H.	England: 38 Royal Exchange ..	Preserved meats ..	3	Preserved provisions. Canister of boiled mutton, supplied to the Arctic Expedition in 1824, and found by Sir James Ross, in Prince Regent's Inlet in 1849, in a perfect state of preservation.
GABLE, W.	Canada: Milton Mills ..	Blankets ..	12	Horse-blankets, pieces of carpeting, assortment of blankets.
GABUS, —	Russia: St. Petersburg ..	Cabinet, ornamented with porcelain ..	26	Cabinet in tulip-wood, ornamented with bronze and porcelain.
GANDILLOT and Co.	France: 40 Rue Bellefond, Paris ..	Iron tubes ..	1	Bronze bedsteads. Hollow iron furniture.
GANNERY, V.	France: St. Nicolas, d'Alhiermont ..	Astronomical clock ..	10b	Astronomical castings. Door with lever spring drop to exclude the draught.
GARDNER, M.	England: Ashill, Norfolk ..	Chandeliers ..	22	Ornamental castings. Door with lever spring drop to exclude the draught.
GARDNER and BAZLEY	England: Manchester ..	Fine yarns ..	11	Case, containing illustrations of the progress of the manufacture of cotton, from the raw material to the finished results, in the coarse and fine departments of the trade.
GARFORTH, W. J. and J.	England: Dukinfield, nr. Ashton-under-Lyne ..	Steam riveting machine ..	6	Direct action steam riveting machine.
GARNETT, H. T.	British Guiana ..	Sorgh, Cassava ..	4	Arrow-root, starch from the bitter cassava, from Plantation Herschelling, River Demerara.
GARRISINI, P.	Sardinia: Toirano, Genoa ..	Vino di Arancio ..	3	Samples of orange wine.
GARTON and JARVIS.	England: Exeter ..	Stoves ..	22	Improved universal cooking apparatus or range-stove. Exonian cooking apparatus. Hot-house boilers, &c. Model hot-water apparatus. Double-action hydraulic cider press.
GASS, S. H. and D.	England: 166 Regent-st. ..	Setting of stones ..	23	Silver dessert service of novel character and design, modelled from nature from water plants in Kew Gardens. Centre pieces, vases, christening cup, with figures. Silvered jewelled dessert set, in Elizabethan style. Brooch, in the style of jewels of the cinque-cento period. Caruncle and diamond bracelet, with portraits of the Queen and Prince of Wales, executed in niello. Silver gauntlet niello bracelet and other articles of jewellery. Large vase composed of human hair.
GASSET, J.	Austria: Vienna ..	Bronzes ..	22	Venus bathing. Four smaller figures. Model of a fountain. Flower vase, cast in bronze and zinc.
GASTINNE-RENETTE.	France: 29 Allée d'Antin, Paris ..	Sporting guns and arms ..	8	Guns, carbine, unfinished gun barrels, pistols for practice, in their cases, and small fancy pistols. Model of a machine to load pistols, and serving as a meter.
GAUDER du TRENE.	France: 41 Rue Richelieu, Paris ..	Artificial flower leaves ..	29	Specimens of manufactured leaves for artificial flowers.
GAUSSEN, —uh, FARGETON and Co.	France: 2 Place des Victoires, Paris ..	Variety of shawls and India wool ..	15	Shawls: French cashmires.
GAUTHIER, J.	France: 4 Faubourg Montmartre, Paris ..	Black and coloured varnish leather ..	16	Lacquered morocco leather of all colours.
GAUVAIN, J.	France: 93 Boulevard de Montparnasse, Paris ..	Pistols, form and execution. Sporting guns, &c.	8	Double-barrelled fowling pieces with engravings, and others.
GAYMARD and GEROLTT	France: 10 Rue Montmorency, Paris ..	Specimen of ledger-binding ..	17	Account books for offices, counting-houses, &c., lithographed and r
GEBAUCH, C. J. Sch.	Prussia: Königsberg ..	Piano-forte ..	10a	Two rosewood piano-fortes.
GELFS, G.	Belgium: Schuerbeek ..	A lion in love, in plaster ..	30	Plaster group: the lion in love, and small marble statue, Cupid.



# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	
GEERTS, C.	Belgium : Louvain	Carving in oak .. ..	30	Groups in oak. Model of a pulpit.
GEISS, M.	Prussia : Berlin	Statues in zinc, Eve, &c., (and special approbation) }	22	{ Statues cast in zinc : Eve, after Baily ; boy with a swan, after Kalide, two stags, after Rauch ; Niobe, after the antique ; Hebe, after Canova.
GEISLER, C. S.	Prussia : Görlitz	Woollen cloths .. ..	12	Woollen cloths, of various colours, dyed in the wool, manufactured out of Silesian wools.
GEISMAR, L. and Co.	Nassau : Weisbaden	Carving in ivory and bone	28	Gun-press, overlaid with stag-horn, the ornaments in ivory, 7 feet high, 4 feet broad, and 1½ feet deep. Cup in ivory 1½ feet high, 6 inches diameter, Christ blessing the children. Brooches in ivory, of various designs. Bracelets in ivory, of seven links, representing figures of game. Porte-monnaie, paper-knives, letter-case, and letter-weights.
GELLE, — Sen. and Co.	France : 35 Rue des Vieux An- gustins, Paris	Toilet soaps made by the cold process .. ..	29	Pertumery, toilet soaps.
GEMUNDER, G.	America : Boston	Joseph Guarnerius violin (chiefly), and three other violins, and a viola ..	10a	Violins.
GERENTE, A.	France : 13 Quai d'Anjore, Paris	Stained glass .. ..	30	Stained glass.
GERISH, F. W.	England : East-road, City-road.	Locks and hinges .. ..	22	Safety and other locks. A simple and cheap spring hinge.
GERONA, the Province of	Spain	Cork, in sheets .. ..	28	Cork, in sheets.
GERVAIS, —	France : 7 Rue des Fossés-St.- Jacques, Paris	Copper boiler, with grate	22	Copper boiler, with copper grate.
GEYERS and SCHMIDT	Prussia : Görlitz	Woollen cloth .. ..	12	Black and coloured broad cloths. Ladies' cloths, black and blue.
GEYER, J.	Austria : Pesth	National cloak made from lamb-skins .. ..	16	Broad buckskin.
GIBBINS and Sons	England : Sheffield	Scissors .. ..	21	Hungarian sheep-skin Bund. A pair of scissors, 19 inches long, produced as a specimen of workman- ship. A pair of scissors in a forged state. Assortment of nail- nippers, champagne nippers, pruning shears. Sets of scissors, assorted sizes.
GIBBONS, J. Sen.	England : Wolverhampton	Locks .. ..	22	Improved locks for drawers, doors, park-gates.
GIBBS, D. and W.	England : City Soap Works	Common and toilet soaps	29	Pertumed exhibition, and inlaid camco soaps. Naples shaving tablets.
GIBLIN and Son	France : La Salle	Silk .. ..	4	Naples and inlaid tablets. Samples of soft soaps for medical and manufacturing purposes.
GIBSON, M.	England : Newcastle	Clod-crusher .. ..	9	Specimens of raw silk, white and yellow. Northumberland clod-crusher for wet land, &c., also used on young wheat for the wire-worm, and for making drills for clover and other seeds.
GIEBANTH, Brothers	Bavaria : Hockheim	Iron and steel .. ..	1	Iron for guns and railways. Rolled and wrought-iron, rasping-plate iron, and iron wire. Various kinds of steel, bronze, silk, silver articles.
GILANT, R. D.	Spain : Madrid	The Royal Arms worked with coloured silks ..	19	Shield of the Royal arms of Spain, in silk, gold and silver. Baby- linen made for the late Prince of Asturias.
GILBERT and STEVENS	America : Boston	Flannels .. ..	12	Variety of flannels.
GILBERT and Co.	France : Paris	Penicils .. ..	17	Various penicils for drawing, architecture, and general use.
GILBERT and Co.	England : 1105 North-st.	Buttons .. ..	20	Buttons .. ..

DESCRIPTION OF ARTICLES EXHIBITED.

ARTICLES REWARDED.

LOCALITY.

NAME.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
GILLÉ, J. M.	France : 28 Rue Paradis Poissonnière, Paris	Porcelain .. .. .	24	Statuettes, vases, flacons, decanters, and various other articles in white and ornamental porcelain.
GILLOTT, J.	England : Birmingham	Metallic pens .. .. .	22	Specimens of metallic pens.
GILFA, J. L.	Belgium : Appels	Hemp .. .. .	4	Samples of raw hemp, grown in 1850.
GILLOW and Co.	England : 176 Oxford-st.	Writing table .. .. .	26	Side-board. Wine-cooler. Albuera chiffonniere. Walnut tables. Library chair. Wainstead sofa. English yew cabinet secretaire. Marqueterie sofa table. Table, English porcelain, with painted landscape, figures, &c. Mahogany Gothic style picture frame. Silk velvet of various shades.
GINDRE, L. and Co.	France : Lyons	White and coloured satins	13	
GIRARD, Nephew and Co.	France : Lyons	Black and coloured velvets	13	
GROD (de l'Aln) le General	France : Chievry près Gex, Ain.	Wool .. .. .	4	
GUISTI, P.	Tuscany : Siena	Carved frame .. .. .	26	
GLASSER, J. S., Jun.	Saxony : Schoenau, nr. Chemnitz	Women's cotton gloves .. .. .	20	Pieces of merino wool, from the flock at Nuz. Medalion in walnut wood, carved by the exhibitor.
GLEN and M'INDOE	United Kingdom	Excellence and economy in printing shawls exhibited by Kelth, Shoo-bridge & Co. .. .. .		Women's cotton gloves and articles of hosiery.
GLOVER, T.	England : Clerkenwell	Gas-meter .. .. .	15	Printed shawls.
GODDARD, H.	England : Nottingham	Cooking apparatus .. .. .	22	Meters, and the large gas-meter for measuring the gas supplied to the Cooking apparatus, for culinary and other purposes.
GODEFROY, L.	France : Puteaux	Fancy fabrics printed in steam colours for dresses	18	
GODFREY and COOKE	England : 31 Southampton-st., & 30 Conduit-st.	Pharmaceutical products	2	Printed tissues, square shawls, dresses.
GODFREY, Messrs.	India : Ghazee-pore	Oil of roses .. .. .	4	Carmine. Lake. Bismuth oxide. Ammonia. Oil of amber. Salt of amber. Artificial musk. Watchmaker's oil. Essence of ambergris.
GODFREY, C. Sen.	France : 68 Rue Montmartre, Paris	Fuses .. .. .	10a	Oil of roses, rose-water.
GODIN, F. L. and Sons	Belgium : Huy	Great variety of printing, writing, and drawing papers		Wood and silver flutes.
GOLAY-LE ROCHE, A.	Switzerland	Enamels .. .. .	17	Collection of paper for drawing, registers, writing, letter paper.
GOLDENBERG, G. and Co.	France : Zornhoff près Saverne	Saws and tools .. .. .	23	Pocket chronometer with repeater and thermometer.
GOMES, J. L.	Portugal	Dried figs .. .. .	21	Hardware, and edge-tools.
GOMPERTZ, B.	Hamburg	Hair, embroidered pictures of the Queen and the Prince of Wales, and the Prince of Wales, &c.	3	Dried figs.
GONZALES-ALBERCA, Buenaventura.	Spain : Havannah.	Cigars of Havannah (Râmas)	19	Hair-embroidered pictures of the Queen and the Prince of Wales, and of the Hamburg Exchange.
GOODEHERE, G. T.	England : 9 Wellclose-square	Ships' stores .. .. .	3	Various kinds of cigars.
GOODMAN, G.	England : Birmingham	Needles and pins .. .. .	22	Improved ships' hearth, to cook for fifty men.
GORDON, J.	United Kingdom	Analytical model in ivory	22	Fine-pointed pins, black, purple, and dress. Brass pins, and needles.
GOTT and Sons	England : Leeds	Woolen cloths for exportation	10c	Analytical model in ivory.
GOURDIN, J.	France : Mayet	Small turret clock	12	Woolen cloths for the home trade, and for the American, China, and Russian markets.
			10b	A clock, striking the quarters.



# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class	
GOUTCHKOFF, E. and J.	Russia : Moscow ..	Woollen cloths, worsted and organzine silk warp fabrics, and cashmere-de-laines ..	12	Cashmere and mousseline-de-laine. Table covers. Poplin.
GOWANS, J.	Scotland : Edinburgh ..	Carved sandstone..	27	Group and statue in freestone. Stone from Redhall and Binny quarries. Binny bitumen candles, &c. Model and drawing of steam cranes. Drawing of boring machine, capable of boring holes to the depth of 40 or 50 feet, from 3 to 6 inches in diameter, and used in conjunction with galvanic battery, for cutting the large masses of rocks in the quarry.
GOWING, T. W.	England : 1 Stucley Terrace, Camden Town ..	Veterinary instruments ..	10c	Collection of veterinary instruments.
GOWLAND, J...	England : 52 London Wall ..	Clock escapement..	10b	Free pendulum regulator, tourbillon remontoir chronometer, anemometer, electric clock watches.
GRAFE and NEUWANDT	Prussia : Elberfeld ..	Vestings of cotton warp..	15	Various specimens of waistcoating.
GRAHAM and HALLETT	South Australia ..	Specimens of copper from the mines of Burra Burra,	1	Red oxide of copper. Green carbonate of copper. Red oxide and carbonate combined. Red oxide and blue carbonate. Strata in which the minerals occur. Native copper. Malachite and red oxide of copper. Fibrous malachite. Cabinet specimens, arranged. Views of Burra Burra mine and smelting-house, and of the township. Velvet, satin, and watered silks.
GRAHAM and SONS	England : 31 Spital-square United Kingdom ..	Black moiré satins & velvets Embroidered crape-shawls, from China ..	13	Embroidered crape shawls from China.
GRANDJEAN, H.	Switzerland : Locle, Canton of Neuchâtel ..	Pocket chronometers ..	10b	Pocket chronometers. Gold hunting and other watches.
GRANDJEAN, P. H.	Switzerland : Chaux-de-fonds ..	Engraved gold ..	23	Engraving on gold, applicable for watches, jewellery.
GRANT, J. H.	America : Virginia ..	Cavendish tobacco ..	3	Specimens of tobacco.
GRASSOT and Co.	France : Lyons ..	Damasks ..	14	White damask thread table-napkins, or cloths. Complete table-services.
GRATZ, Steiermark Silk-worm breeding Association of...	Austria : Gratz ..	Silk-worms, breed of ..	4	Styrian raw silk : illustration of the treatment of the silk-worms.
GRAY and Sons	England : Uddington ..	Cart ..	9	Farm cart; ploughs, Subsoil pulverizer. Drill grubber. Parallel horse-hoe. Canadian chaff-cutter. Scotch thrashing-machine.
GRAY, J. and Son	Scotland : Edinburgh ..	Locks ..	22	New radiating and reflecting stove grate, with flue passing up the back of the concave front, and thus transmitting a large amount of heat into the apartment.
GRAY and Son	England : Birmingham ..	Fire-irons, &c. ..	22	Polished steel fire-irons and standards. Coal-vase, tongs.
GRAY, T. W...	England : 70 King William-st. ..	Brass-work, various ..	22	Cabin-window apparatus. Bull's eyes.
GRAY, S.	England : Calverley near Leeds ..	Woollen cloths ..	12	Woollen cloths, crabs and blue prunell ivory-cloth. Russian green prunell habit-cloth.
GREABLEY and HOFCKROFT..	England : Nottingham ..	Jacquard shawl, &c. ..	19	Lace articles. Jacquard pusher silk shawl. Figured needle-work, shawls, falls.



## NAME.

## LOCALITY.

## ARTICLES REWARDED.

## Class

## DESCRIPTION OF ARTICLES EXHIBITED.

GREAT WESTERN Railway Co.	England: Swindon	Passenger engine .. ..	5	<p>(Locomotive engine and tender, constructed at the Company's works at Swindon. One of the ordinary class of engines constructed by this Company for passenger-traffic, since 1847. [It is capable of taking a passenger-train, of 120 tons, at an average speed of 60 miles per hour, upon easy gradients. The evaporation of the boiler, when in full work, is equal to 1,000 horse-power, of 33,000 lbs. per horse—the effective power as measured by a dynamometer is equal to 743 horse-power. The weight of the engine, empty, is 31 tons; coke and water, 4 tons; engine, in working order, 35 tons. Tender, empty, 9 tons; water, 1,000 gallons, 7 tons 3 cwt.; coke, 1 ton 10 cwt.; total, 17 tons 13 cwt. The heating surfaces are,—fire-box, 156 feet; 305 tubes, 1,759 feet. Diameter of cylinder, 18 inches; length of stroke, 24 inches. Diameter of driving-wheel, 8 feet. Maximum pressure of steam, 120 lbs. The actual consumption of fuel in practice, with an average load of 90 tons, and an average speed of 20 miles, including stoppages, has averaged 20·8 lbs. of coke per mile.]</p>
GREAVES, J. W. .. ..	Wales: Carnarvon	Specimens of slates, &c., from Festiniog .. ..	1	
GREEN, Messrs, .. ..	England: Blackwall	Specimen model of a merchant-vessel, designed and built by them for the East India trade .. ..	8	
GREEN, S. and Co. .. ..	England: Lambeth	Chemical ware .. ..	25	
GREEN, T. .. ..	England: Leeds	Aviary .. ..	22	
GREEN, J. G. .. ..	England: 19 St. James-st.	Engraving on glass, and form .. ..	24	<p>Model of the Owen Glendower, East Indian, built at Blackwall. Chemical stone-ware apparatus. Salt-glazed stone-ware. Imp stone-ware, glazed inside and outside, without salt or lead being in the composition of the glaze. Stone-ware drainage requisites. Vitreous stone-ware pumps.</p> <p>Wire aviary, and ornamental seat.</p> <p>Samples of services of glass, engraved in Greek style. Large Etruscan shape jugs. Pole fire-screen, with glass screen and pedestal, gilt, &amp;c. Or-molu and silvered glass chandelier.</p>
GREENER, W. .. ..	England: Birmingham	Guns—barrels perfectly forged & finished. Harpoon guns, for whale fishery, and for saving life from shipwreck .. ..	8	<p>Double guns and rifles; harpoon guns; rocket gun and lines, for use in shipwrecks; stanchion gun, for wild-fowl shooting; military musket and rifle. Laminated steel.</p>
GREENING and Sons .. ..	England: Warrington	Strong wire-cloth, wove by steam-power .. ..	22	<p>Extra strong wire cloth, wove by steam-power.</p> <p>Specimens of straw, chip, and horse-hair manufactures in the various stages. Flag-grass from Cuba; hats from the same, called Brazilian hats. An epergne composed entirely of shells, forming cornucopias filled with flowers, in great variety of colour and beauty; the whole of the shells were gathered from the shores of the Bahamas. Large vase, with group of flowers, composed entirely of pure white shells. Figure in fancy costume of shell-work.</p>
GREGORY, CUBITT and Co. ..	England: 15 Aldermanbury	Straw-hats and bonnets .. ..	20	
GREIG, Misses .. ..	Bahamas: Nassau	Cornucopia, &c., of shells .. ..	28	



NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
GREY, the Countess ..	Mauritius ..	Basket & wreath of flowers ..	28	Basket and wreath of flowers from the Sechelles Islands, made from the leaves of the palm of the Sechelles. A nest of baskets.
GRAFFIN, J. J. and Co. ..	England : 53 Baker-st. ..	Chemical apparatus ..	10	Graduated glass instruments, for chemical testing in the arts ; decimal weights and measures ; hydrometers ; ammonia-meter, or hydrometer for liquid ammonia ; small chemical apparatus.
GRAFFITHS, T. and F. ..	England ; Birmingham ..	Tin and enamel ware ..	22	Tin goods and block-tin ware. Cooking utensils coated with glass.
GRIGNON, M. . . . .	France : Rue d'Orleans, Paris ..	Bronzes, etc. ..	22	Bronze clocks, candelabras, statuettes.
GRILLET, —Sen. and Co. . .	France : Lyons ..	Two long shawls of elaborate design ..	15	Long white and black cashmere shawls.
GROGER, F. . . . .	Austria ; Vienna ..	Ebony cabinet inlaid with marble etc., & ornamented with carved figures ..	26	Cabinet of ebony, with ornaments of stone mosaic. Work-box, with malachite and ivory ornaments.
GROOM, J. J. . . . .	United Kingdom ..	Specimens of deep-sea fishing lines and hooks ..	8	Specimens of deep-sea fishing-lines and hooks.
GROPIUS, P. . . . .	Prussia : Berlin ..	Carton-pierre figures, &c. ..	26	{ A wall ornament, consisting of figures upon brackets, looking-glasses, medallions, and sundry other articles, in carton-pierre, with marble plate.
GROS, AVIER, ROMAN and Co. .	France : Wesserling ..	Printed muslins and jackets ; also mousseline-de-laines, all wool ..	18	{ Cotton and woollen goods, bleached and printed with cylinder.
GROS-CLAUDE, C. H. . . .	Switzerland : Fleurier, Canton of Neuchâtel ..	Two watches ..	10b	Two open-faced watches.
GROSE, H. . . . .	Grenada ..	Nutmegs ..	8	Tapioca and nutmegs, first imported into this island, by Mr. Kennedy, in 1827.
GROSHOFF, George ..	Austria : Vienna ..	Strong boots and shoes ..	20	Travelling-trunks, hunting-pouches, and carpet-bags.
GROSSMAN and WAGNER ..	France : 11 Rue de Renard St. Sauveur, Paris ..	Articles in india-rubber ..	28	Surgical instruments. Bandages and articles in caoutchouc.
GROSSMAN, C. G. . . .	Saxony : Bischofswerda ..	Woollen cloths ..	12	Superfine cloth—black, clare bronze, olive, dark bronze, dark green, clare green, and blue.
GROSSMITH, W. R. . . .	England : 175 Fleet-st. ..	Artificial eyes ..	10c	Artificial legs ; artificial eyes ; spring braces.
GROSSMITH, J. . . . .	England : 39 Friday-st. ..	Artificial essences and perfumery ..	29	{ Summer and other fancy soaps ; pomades, essences, perfumery, and essential oils.
GROSVENOR, W. and Co. . .	England : Kidderminster ..	Furniture silks ..	13	Silk brocade, brocatelle, and figured satinet damasks for upholstery.
GROUPE, COPESTAKE, MOOR and Co. . . . .	England : 5 Bow-churchyard ..	Honiton guipure half-shawl ..	19	Lace from Honiton and Buckinghamshire ; embroidered muslins, cotton-lace, net, needle-work.
GROUT and Co. . . . .	France : 7 & 9 Rue Frépillon, Paris ..	Copper tubes, &c. . .	1	Various kinds of copper-tubes.
GROUT and Co. . . . .	England : Foster-lane ..	Black crapes, crêpe aéroplane, crêpe lisse, &c. .	13	{ Folded and rolled black crape, aéroplane crape, lisse gauze, gossamer, crêpe lisse, silk gauze grenadine, muslin scarfs, and brocaded silk dresses.
GRUBER, F. . . . .	Saxony : Kleinwelka, nr. Bautzen ..	A bell, very fine tone ..	22	{ 383 kilograms weight, with iron clapper and tackle.
GRÜNER, F. W. . . . .	Saxony : Glauchau ..	Merinos ..	12	{ A bell of bronze, 383 kilograms weight, with iron clapper and tackle.
GUERIN, BOURGEOIS and Co. .	France : Le Fort-Neuf-Jouarre ..	Muslin shawls ..	1	{ Woollen stuffs (worsted stuffs), tubular, superior quality, different colours—dyed by the exhibitor.



NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
GUERRE, — Son. .. GUEST and CHREMES	France : Langres .. England : Birmingham ..	Cutlery .. .. Water-closet and fire cocks ..	21 22	Samples of cutlery. Tubular water-closet. Hydrant, or fire-cock, for extinguishing fires, and for street-cleansing. High-pressure bib, ball-stop, and double valve-cock.
GUIHEY, DESLANDELLES & Co. GUILLOT, J. and Co. ..	France : Nantes .. Sardinia : Turin & Genoa ..	Preserved meat & vegetables .. Plain velvets, figured vel- vets, imitation of white lace on velvet ground ..	3 13	Pies, sardines, peas, and various other preserved meats. { Silk plush, for hats. Piece of velvet, lace-drawing. Velvet for tapestry. Set of pouldars for robes.
GUILLOT, J. A. .. GUINON, A. F. ..	France : 17 Rue de Bouloy, Paris .. France : Lyons ..	Book fronts of various kinds .. Skein-dyed silk, bleaching silk, and the application of pyruque acid. ..	16 18	{ Shoes, &c., and tanned leather. { Chromatic picture and circle. Specimens of silk and woollen snuffs, dyed in various colours.
GUINART, J. ... GURRERIEZ DE LEON, R. .. GVALOR, H. H. the Maharajah Rao Scindia of .. Gysi, F. ..	Spain : Seville .. Spain : Malaga .. India : .. Switzerland : Aaran, Canton of Argovie ..	Corks and bungs .. Three terra-cotta figures .. Fixed oil .. ..	23 28 29 4	Corks and bungs. Three terra-cotta figures. Fixed oils from various regions of India.
HAAAS, L. F. and Sons .. HAAS, P. and Sons ..	Prussia : Borette .. Austria : Vienna ..	Drawing instruments .. Woollen cloths .. Furniture damasks and woollen velvets ..	10 12 12	Case of mathematical instruments. White cloth, white cassimere for court waistcoats, white satin for court dress, satins, and doekings. Silks and half-silks, damasks, furnitures, and lampas.
HAAS, F. P. .. HABENICHT, A. ..	Wurtemberg : Schramberg .. Austria : Vienna ..	Straw plaitings .. Bookbinding, porte-mon- naies, and other leather goods .. ..	28 17	Straw plaitings, hats, bonnets, baskets, bands, fringes, tassels. Fancy articles of leather, portfolios, cassetts, pockets, ladies' and gentlemen's companions, travelling medicine-chests, cigar-boxes, porte-monnaies, lucifer match-boxes. Ladies' toilet table with ivory ornaments. Painter's easel.
HABENICHT, A. .. HABERLAND, G. A. .. HADDAN, J. C. ..	As above .. Prussia : Finsterwalde .. England : 29 Bloomsbury-square ..	Ivory combs .. Woollen cloths .. Papier maché carriage ..	28 12 5	As above. Black cloth. Railway carriage with paper-maché panels. Railway wheels with wrought-iron nave.
HADDEN, Capt. W. C. .. HADROT, L. Jun. .. HADWEN and Son. ..	Van Dieman's Land .. France : 37 Faubourg St. Mar- tin, Paris. .. England : Halifax ..	Woods .. .. Moderator lamps .. Spun silk-yarn ..	4 22 13	Muskwood of Van Dieman's Land. Moderator lamp, called Hadrot. Specimens of raw material, waste-silk, in the dressed state and carded, the same in the stubbing and thick roving, and in the fine rovings. Single and double spun silk-yarns.
HAGEN, A. von ..	Prussia : Erfurt ..	Cabinet .. ..	26	Writing chiffonnière, of nut-tree wood, in the renaissance style, orna- mented with carving and marqueterie work of silver, copper, brass, ivory, and mother-of-pearl. Fancy penknives, with corkscrews, silver pencils.
HAGUE, S. .. HAGUES, COOK, and WORMALD	England : Sheffield .. England : Leeds ..	Pen-knives .. Blankets for various mar- kets ; also travelling rugs, including award for Spanish stripes ..	21 12	{ Spanish stripe, and drab beaver cloths, white, coloured, and horse- blankets.



# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
HAINELL and ELLIS	England: Manchester	Sulphate of copper	2	Spectimens of sulphate of copper, nitrate of lead, &c. Sulphur:
HAIGHT, Mrs. W.	America: New York	Shirt	20	Orchella weed.
HAINDL, A.	Austria: Stadt Steyer	Cutlery	21	Embroidered shirt. Stitched shirt.
HALE, J.	England: Walsall	Curb-chains	22	Knives and forks of different kinds.
HALLMARKE, ALDEBERT, and HALLMARKE	England: 57 and 58 Long Acre	Green barouche, a very good carriage	5a	Spring curb hooks, for bridle bits. Steel spring swivels. Polished- steel pole and trace-chains for pair-horse carriage. Buckles. Fancy chain dog-collars.
HALLER, Mrs. J. & Son-in-Law	Austria: Vienna	Toys	29	Upspringing step-piece barouche. New park-phaeaton. Drawings of a state carriage. Demi-state carriage. State railway carriage.
HALLER, J. C.	Prussia: Halle	Wheat starch	4	Toys of paper, wood, metal.
HALLER, R. and Sons	South Australia	Wheat (white soft); wheat flour	3	Specimens of wheat starch produced by machinery, and by chemical processes.
HAMANN, A.	Prussia: Berlin	Turning lathe	6	White soft wheat and wheat flour.
HAMANN, E. F.	France: 43 Quai des Augustins, Paris	Planometer	10	Turning lathe.
HAMMOND, TURNER and Sons	England: Birmingham	Buttons	22	Calculating planometer.
HAMMOND, W. P. and Co.	Labuan	Sugar from Siam	3	Various naval, military, sporting, and club buttons, gilt, plated, bronzed. Specimens of sugar, coffee, pearl and common sago, sago flour, white and black pepper, nutmeg, mace, cloves, gambier, cutch, gum gam- boge, benjamin and lac, rice, tortoise-shell, turtle-shell, mother-of- pearl shells, elephants' teeth and grinder, gutta percha, gum enout- chouc or India-rubber, gum damma, isinglass, manufactured in the Archipelago, from the interior membranes of fish, and valued on account of its highly glutinous character.
HAMMOND, W. P. and Co.	India	Collection of Siam produce	4	Collection of Siam produce.
HAMON, —	France: Serres	Enamelled casket	30	Enamelled casket.
HAMPTON, W.	America: Charleston	Cotton	4	Sample of Upland cotton.
HANCOCK, C.	England: 48 Milner-sq., Islington	Articles in gutta percha	23	Gutta percha tubes, picture-frames, machinery belts, &c.; and metallo- thionised gutta percha.
HANCOCK, J.	United Kingdom	Taxidermy	29	Collection of stuffed birds and animals.
HANDYSIDE, A.	England: Derby	Cast-iron fountain	22	Cast-iron fountain. Vases, copied from the Warwick and Medici vases. Bacchanalian and other vases, from the antique.
HANHART, M. and N.	England: 64 Charlotte-st.	Chromo-lithography	30	Chromo-lithography, in graduated tints.
HANUQ, P. J.	Belgium: Mechlin	Collection of printed books. The Liturgies in red and black, especially worthy of notice	17	Books of Roman Liturgy, printed in red and black.
HANNAH, A.	Scotland: Glasgow	Augers	21	Thompson's augers, braces, bits, claw and clench-hammers, scollops for boring wood.
HANSON, J.	England: Huddersfield	Manufactured lead	22	Saw for manufacturing lead.
HARACH, F. E. Count Von	Austria: Neuvelt, Bohemia	Glass-ware	24	Glass vases, ingons, wine-bottles, goblets, cups. Large candelabra lustres.
HARARD, E.	France: 15 Rue de Choiseul, Paris	Flowers in canebrie	20	Head-dresses, gown-trimmings.



NAME.			LOCALITY.		ARTICLES REWARDED.		Class.	DESCRIPTION OF ARTICLES EXHIBITED.	
HARDING, PULLEIN, & JOHNSON	..	..	England ; Guildhall Chambers	..	Machinery for making printing type	..	7	Machines for making printing-type from copper, zinc, or other metal.	
HARDING-COCKER	..	..	France : Lille	..	Heckies	..	7	Model of a machine for combing flax, wool and silk. Machine for combing wool, articles used in spinning flax, wool and silk, such as gills, cylindrical combs.	
HARDING, T. . .	..	..	England : 108 Regent-st.	..	Buttons	..	22	Vest buttons in lapis lazuli, malachite, coral, onyx cornelian, &c., for gentlemen. Fancy pearl and other dress buttons for ladies.	
HARDMAN and LOFFE	..	..	England : Birmingham	..	Buttons	..	22	Buttons, medals, hooks and eyes.	
HARDMAN, J. and Co.	..	..	England : Birmingham	..	Painted glass window	..	30	Silver metal gilt, parcel gilt, and brass vessels used in churches. enamelled, set with stones, plated, pierced, and engraved. Casket of jewellery, girdles, brooches, crosses, ear-rings, &c. Painted glass windows. Embroidered robes, hoods, capes, girdles.	
HARDMUTH, L. and Co.	..	..	Austria : Vienna	..	Pencils	..	17	Black lead and red-chalk pencils of various kinds.	
HARDY, A. . .	..	..	Algeria ; Hamma	..	Cottons	..	4	Jumel, Louisiana, New York, Georgia long silk, Meceodonia and nankeen cottons of 1849, and 50. Cochineal, opium, dry rice, oleaginous seeds. Varieties of maize. Eight and six months growth bamboo shoots.	
HARDY, T. . .	..	..	England : Sheffield	..	Dressing-case instruments	..	21	Stilettes, crochet-needles, button-hooks, nail-files, cork-screws, tweezers, boot-hooks.	
HARGREAVE and NUSSEYS.	..	..	England : Leeds	..	Woollen cloth, from new materials	..	12	{ Royal chameleon, elastic transparent cloth. Vicuna fur with woollen back ; dyed black cloth from colonial wool.	
HARLEY, G. . .	..	..	England : Wolverhampton	..	Locks	..	22	Detector locks.	
HARO, E. F. . .	..	..	France : 18 Rue des Petits Augustins, Paris	..	Essential oils, &c.	..	4	{ Canvas for historical painting, colours, varnish, new process for restoring pictures.	
HARO, E. F. . .	..	..	As above	..	Canvas for historical paintings	..	14	As above.	
HARRIS, R. and Sons	..	..	England : Leicester	..	Examples of hosiery	..	20	Gloves, cuffs, and gaiters. Caps, hoods, hats, and bonnets. Mantillas and shirts. Worsteds vests. Lambs'-wool pantaloons. Fancy cotton shirts. Children's dresses. Polkas and jackets.	
HARRIS, R. and Son	..	..	England : Birmingham	..	Cut glass	..	24	Pressed and moulded glass tumblers, goblets, wine glasses, sugar-basins, butter-coolers, door-knobs, &c. Specimens of articles in flint glass, cut and engraved. Ornamental glass of various colours. Specimens of colours combined by casing or coating. Specimens of threaded or Venetian glass.	
HARRIS, Lord	..	..	Trinidad	..	Produce of Trinidad	..	4	Produce of Trinidad.	
HARRISON, R. and J.	..	..	England : Hull	..	Collection of woods	..	4	Variety of British and foreign woods.	
HARROP, TAYLOR, & PEARSON	..	..	England : Manchester	..	Assortment of black and shot-plain silks	..	13	{ Gros-de-Naples. Black edged ducape, velour. Glacé silks. Gros d'Ecosse.	
HART and Sons	..	..	England : 53 54 and 55 Wych-st.	..	Door-plates	..	22	Door knobs and finger-plates, in brass, china, glass, &c. Dr. Arnott's ventilating chimney-valves, improved.	
HARTLEY, J. and Co.	..	..	England : Sunderland	..	Rolled-plate for roofs	..	24	Rough plate. Glass for ridge and furrow roofing. Models &c. illustrating the manufacture of crown and sheet glass. Specimen windows of rolled coloured glass. Specimens of stained glass borders. Glass for horticultural, dairy, and railway purposes.	



# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	
HARTMANN and Sons	France: Munster..	Figured cottons .. ..	11	Spun cottons; white calicos; cambric muslins; jaconet muslins; and printed woollen and cotton fabrics.
HARTMANN and Sons	As above .. ..	Fabrics printed in madder colours .. ..	18	As above.
HARTMANN, L.	Austria: Vienna ..	Meerschaum pipe bowls; sticks, and umbrella handles .. ..	29	Various kinds of walking-sticks of wood, cane, &c. Stick-mountings. Tobacco-pipe-tubes. Cigar holders of wood, amber, meerschaum, horn. Pipe mouth-pieces. Tobacco-pipe bowls of meerschaum. Turkish clay-pipes. Assortment of cut canes. Tobacco-pipe of ivory. Cup of stag-horn. Large piece of amber.
HASLAM, W...	England: Derby ..	Wrought iron hinges, &c.	22	Specimen of hammered iron church-door hinges, with branches of scroll-work after the old English style.
HASSAN, —	Turkey .. ..	Scissors .. ..	21	Scissors.
HASSE's, (G.) Sons ..	Austria: Prague ..	General excellence of their types and printing ..	17	Types of various kinds. Specimens of typography, including a variety in gold, silver, and colours. A missale Romanum.
HATFIELD, J. A. ....	England .. ..	Statue in bronze .. ..	22	Bronze figure, youth at the stream, after Foley.
HAUSEN and Son ..	Wurtemberg ..	Scythes .. ..	21	Scythes used in various countries.
HAUDEL, J. ....	America: Philadelphia ..	Toilet soaps .. ..	29	Perfumery and fancy soaps.
HAULICK, G. F. ....	Zollverein: Hanau ..	Flower, in stones .. ..	23	Flower, in brilliants and rubies, with leaves of emerald and enamel, in a vase of gold and enamel. The flower can be detached and used as a brooch or hair-pin.
HAUSSENS-HAP, B. ..	Belgium: Vilvorde ..	Horse-hair, and aloë-fibre stuffing for furniture ..	16	Horse-hair and aloë-fibre stuffing for furniture. Aloë-fibre stuffs, both sides alike. Table-cloths and napkins, &c. Samples of pigs' bristles, prepared and bleached for painting brushes.
HAWCROFT and Sons ..	England: Sheffield ..	Razors .. ..	21	Ivory, pearl, and tortoise-shell razors. Articles illustrative of the processes of manufacture.
HAWKER, Col. P. ....	England .. ..	Improvements and perfection in punt guns ..	8	Punt guns.
HAWKINS, J. ....	England: Birmingham ..	Brass, copper, and iron screws and bolts ..	22	Screws in iron, brass, and copper; railway, coach, grate, machine screws and bolts.
HAWTHORN, R. and W.	England: Newcastle-upon-Tyne ..	Locomotive passenger-engine ..	5	First-class passenger locomotive engine.
HAYBALL, Arthur ..	England: Sheffield ..	Cabinet .. ..	26	Cabinet carved in walnut.
HAYDAY, James ..	England: 31 Little Queen-st. ..	Bookbinding .. ..	17	Specimens of bookbinding, in gold paper, morocco, and cloth, with metal ornaments.
HAYDEN, W. ....	America: Connecticut ..	Drawing regulator for cotton ..	6	Drawing frame for cotton, with an improvement for regulating the weight of the strand, called a drawing regulator.
HAYWARD RUBBER COMPANY	America: Connecticut ..	India-rubber shoes .. ..	22	Specimens of India-rubber boots and shoes.
HAYWOOD and Son ..	England: Clerkenwell ..	Locks, gliding .. ..	22	Locks. Specimens of gilding and engraving applicable to fancy brass foundry.
HAYWOOD, H. R. ....	England: Burslem ..	Tiles and other articles, manufactured in metal ..	27	Superior metallic clay, from mines at Brownhills, near Burslem; with samples of manufactured ornamental pavements.
HAYWOOD, J. ....	England: Derby ..	Church stove .. ..	22	Burnished steel drawing-room stove, with porcelain hearth. Radiating hall stove, with hearth-plate. Church stove.
HEATH and BURROWS	South Australia ..	Wheat, white soft .. ..	5	Specimens of South Australian grain.



# DESCRIPTION OF ARTICLES EXHIBITED.

Class

ARTICLES REWARDED.

LOCALITY.

NAME.

HEBERT, F. and Son	France : 13 Rue du Mail, Paris	Shawls woven from Indian wool	15	Long and square pure cashmere shawls, various grounds.
HECKEL and Co.	France : Lyons	Satins in white, black, & colours of all qualities..	13	Plain satin of different tints.
HECKEL, J. A.	Nassau : Biebrich..	Bassoon of new and improved construction	10a	Clarinets and bassoon of new and improved construction.
HECKER and Brother	America : New York	Genesee flour	3	Twenty boxes of farina, prepared from wheat. Samples of fine and coarse hommony. Samples of flour from wheat grown in the Genesee valley, in the State of New York. Sample of baker's flour, and of wheat. Glass jars containing samples of the grain.
HEDINGER, C.	Wurtemberg : Stuttgart	Walking canes	29	Walking-sticks and canes, with engraved hooks and heads of ivory, buffalo, stag-horn, &c. Sticks and canes for umbrellas and parasols.
HESLEY and Sons	England : Birmingham	Chatelaine	23	Frames for umbrellas. Chiselmines, sword-hilts, buttons, snuffers, stirrups, watch-guards, invalid tongs, and other ornamental steel-ware, in invalid tongs, and other ornamental steel-ware,
HERRS, J. H.	England : 46a Liverpool-st.	Hearing apparatus made of gutta percha..	10a	Spring bandages and supports for prolapsus. Belts.
HEFFORD and ELGER	England : Derby	Glazed Wellington boots..	20	Boots and shoes, ornamental leather, and satin dress Wellingtons. Top-boots and shoes without a seam.
HEINKE, C. E.	United Kingdom	Diving apparatus	7	Sub-marine helmet, dress, and other diving apparatus.
HEINTZE and FREUDENBERG	Prussia : Weinheim	Black-varnished calf leather	16	Calf-skins, japanned black, and black polished, for boots and shoes.
HEINZEN, Brothers..	Austria : Tetschen on the Elbe	Cudbear and Archil	2	Red and violet herb archil. Red and violet extract of archil.
HEJESTRAND, C. V.	Sweden : Elksistuna	Razors	21	Twenty-eight razors.
HELL, George..	Austria : Vienna	Assortment of brocatelles	13	Silk furniture in brocatelle : lampas ; satin and damasks. Velvet.
HELME, W.	England : Stroud..	Dooskins, casimere, &c..	12	Casimere waistcoats, dooskins, cashmerette, silk warp, woollen wuffs.
HELVET, J.	Wurtemberg : Stuttgart	Bassoon with 19 keys of an improved construction	10a	Casimere. Surinamians for waistcoats.
HEMINGWAY, A. and W.	England : Portman-street	Salts of iron	2	Bassoon with nineteen keys of improved construction.
HEMING, H.	England : Redditch	Fish-hooks	22	Double salts of iron.
HEMSWORTH and LINLEY	England : 30 West Smithfield..	Boot-fronts and cordovan	16	General assortment of sea and river fish-hooks. Boot-fronts of English and foreign calf-skins. Cordovan from South American horse-hides
HENDRICH, F.	Prussia : Eupen	Woollen cloths	12	Specimens of fine and superfine cloths.
HENDRIE, R.	England : 12 & 13 Tichborne-st.	Toilet soaps & perfumery..	29	Toilet soap. British perfumes. Perfumed essences. Cosmetics. Improved spirituous acetine, or toilet vinegar. Moelline, a peculiar oleaginous compound.
HENKELS, J. A.	Prussia : Berlin and Solingen	Cudery	21	Cutlery manufactured of refined steel, the produce of the smelting works of Siegen.
HENN and BRADLEY	England : Birmingham	Taper screws, &c..	22	Taper wood screws in iron, brass, and copper. Iron thread screws. Taper hand-rail screws for pianoforte makers.
HENNEMAN and MALONE	England : 122 Regent-st..	Talbotypes	10	Talbotype apparatus of improved design. Talbotype pictures. Talbotypes tinted by means of caustic potash and a lead salt. Specimens of Herschel's cyanotype and chrysotype and of Hunt's chromotype pictures.



## NAME.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
HENNING, John .. ..	Ireland : Waringstown, Banbridge .. ..	Damask table-cloths and cambrics .. ..	14	{ Samples of handkerchiefs embroidered, &c. Printed linen cambric dresses, and lawns, shirt frontings, satin damasks, napkins. Damask coronation cloth.
HENRY, A. and S. and Co. ..	England : Leeds .. ..	Woollen cloths .. ..	12	{ Woollen cloths and cotton warp cloths.
HENSEMAN and SON .. ..	England : Woburn .. ..	Thrashing-machine, four-horse plough, corn-drill .. ..	9	{ Four-horse portable steam-engine. Bolting thrashing machine, complete. Eight-row cup drill, with independent steege. Vandyke hand-thrashing machine. Iron ploughs.
HENSON, H. H. .. ..	England : Pinner .. ..	Railway goods-wagon .. ..	5	{ Improved covered wagon for the conveyance of merchandise by rail way, fire and water proof.
HENTIG, — .. ..	Labuan .. ..	Borneo cotton .. ..	4	{ Borneo cotton.
HEPBURN, J. and T. .. ..	United Kingdom .. ..	An English crop butt .. ..	16	{ English crop butt.
HERBERT, F. P., Baron von .. ..	Austria : Carinthia .. ..	White lead .. ..	2	{ White lead of different kinds.
HERIOT, E. T. .. ..	America : Charleston .. ..	Carolina rice .. ..	3	{ Sample of clean rice.
HERMANN, O. .. ..	Prussia : Schoenebeck .. ..	Glacial phosphoric acid, &c. .. ..	2	{ Chemical preparations.
HERME, Auguste .. ..	France : Crest .. ..	Organzine .. ..	13	{ Samples of raw and thrown silk.
HERNANDEZ, J. .. ..	Spain : Madrid .. ..	Wool .. ..	4	{ Black and white wool.
HERRENSCHMIDT, J. F. .. ..	France : Strasbourg .. ..	Boot-fronts and curried calf .. ..	16	{ Boot-legs. White and japanned calf-leather. Calf-skins. Sewn straps.
HERRICK, J. K. .. ..	America : New York .. ..	Superior ruling of account books .. ..	17	{ Assortment of account-books.
HERRING, S. C. .. ..	America : New York .. ..	Salamander safe .. ..	22	{ Wilder's salamander safe.
HERMANN, W. .. ..	Saxony : Leisnig .. ..	Woollen cloths .. ..	12	{ Cloths of different qualities.
HETT, A. .. ..	England : Southwark .. ..	Microscopic preparations .. ..	10	{ Injected microscopic objects, for displaying the structure of parts and organs, and illustrating the utility of the microscope to physiology and pathology.
ETHERINGTON, T. and C. ..	England : Birmingham .. ..	Carriage lamps .. ..	22	{ Carriage lamps full silver mounted, engraved, and stained glasses, gilt, enamelled and chased.
HEWITSON, J. .. ..	England : Newcastle-upon-Tyne .. ..	Tide gauge .. ..	10	{ Self-acting and self-registering tide-gauge, and tidal indicator.
HEYL, C. .. ..	Grand Duchy of Hesse : Worms .. ..	Varnished calf leather .. ..	16	{ Black japanned leather for boots and shoes.
HEYMANN, C. and Co. .. ..	Prussia : Greifeld .. ..	Vestings .. ..	15	{ Assortment of fancy waistcoatings and cravats.
HICKEY and TULL .. ..	America : Philadelphia .. ..	Two portmantreaus .. ..	16	{ Two trunks.
HICKS, George .. ..	America .. ..	Tillandsia Usneoides .. ..	4	{ Samples of New Orleans moss.
HICKSON and Sons .. ..	England : 20 West Smithfield .. ..	Excellence of light export shoes and boots .. ..	20	{ Boots and shoes of various sorts with samples of the articles used in their manufacture.
HIGGINBOTHAM, G. and W. ..	England : Sheffield .. ..	Seissors .. ..	21	{ Assortment of seissors ornamented and mounted with gold, &c. Fine seissors, forged from refined steel, hardened and tempered upon a peculiar principle. Razors, ivory, tortoise-shell, and mother-o-pear handles, gold and silver mountings.
HIGGINS and Sons .. ..	England : Salford .. ..	Cotton machinery & long .. ..	6	{ Cotton machinery, roving frame, and double self-acting radial mule.
HIGGINS and Sons .. ..	Prussia : Remscheid .. ..	Hardware .. ..	22	{ Long-line flax machinery. Drawing, roving and spinning frame.
HILL, JAMES, and Co. .. ..	England : 30 Spital-square .. ..	Plain and figured silks .. ..	13	{ Hand-loomed and hand-loom woven, the colours all British dyes. Frenched tissues.

DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class	DESCRIPTION OF ARTICLES EXHIBITED.
HILL, Joseph ..	England : 5 Chichester-place ..	Saws .. ..	21	London-made saws and other tools.
HILL, F. C. ..	England : Lewisham ..	Purified oils .. ..	4	Purified animal, vegetable, and fish oil.
HILLIARD and CHAPMAN ..	Scotland : Glasgow ..	Cutlery .. ..	21	Razors of various kinds and strops. Table cutlery, pocket knives, &c. Truss for hernia.
HILLS and UNDERWOOD ..	England : Eastcheap ..	Malt vinegar .. ..	3	Vinegar manufactured from malt.
HILLS, F. C. ..	England : Deptford ..	Sal-ammoniac .. ..	2	Nitrate of potass, made by patent process. Sal-ammoniac, and smelling salts, derived from the ammoniac liquid of gas works.
HINKES, WELLS and Co. ..	England : Birmingham ..	Metallic pens .. ..	22	Self-acting steam cutting, piercing and raising pen machine. Illustrations of the manufacture of steel-pens and specimens of finished pens.
HINDELANG, -- Sel ..	France : Cramoisy ..	Cashmere and merino yarns ..	12	Woolen and cashmere yarns and tissues.
HINKES, Henry ..	United Kingdom ..	Design of a life-boat ; also recommended for the prize of 100 guineas, to be awarded by the Duke of Northumberland ..	8	Model of life-boat.
HIRD, DAWSON and HARDY ..	England : Bradford ..	Quality of iron .. ..	1	Minerals from the Low Moor Company's mines, near Bradford : Black ironstone, black bed coal. Specimens of Low Moor pig iron, and of wrought-iron tested by tension, &c. Ten-inch gun, of 9 feet 4 inches, weighing 85 cwt. used with hollow shot, shells, grape, and canister shot, mounted on a carriage. 32 pound gun, of six feet, weighing 25 cwt. used with solid shot, shells, grape and canister shot. Sugar cane mill, cylinders or crushing rollers, 24 inches diameter by 48 inches in length. Olive mill. Wilson's ellipograph, for drawing ellipses of any proportion from a straight line to a circle.
HIVES and ATKINSON ..	England : Leeds ..	Mill and spun yarns .. ..	14	Samples of flax from the Courtrai and Lokeren districts, Belgium. Yellow flax from Trimmingham, Norfolk. Blue flax grown in Yorkshire. Chinese reed and China grass, raw and manufactured.
HJORTH, S. ..	Denmark : Copenhagen ..	Electro-motive power .. ..	10	Electro-motive power.
HOCH and SONS ..	Prussia : Duren ..	Variety of white & colored writing and tissue papers ..	17	{ Tissue paper in different colours. Coloured and white post, and other writing paper.
HOCHN and BAUMANN ..	Switzerland ..	Lustrings .. ..	13	Lustrings.
HODGES, T. ..	Ireland : Dublin ..	Bells .. ..	22	Church, farm, and altar bells. Brass force and lift pumps, and metal pump. Composition pipes for liquids or gas.
HOELLER, A. and C. ..	Prussia : Solingen ..	Cutlery .. ..	21	Sword of honour and court-sword. Folis and rapiers. Damask blades in the oriental style, &c. Scissors. Pen and pocket knives. Table-cutlery. Razors, shears, saws, &c. Jewellers' tools.
HOFFMANN, C. W. ..	Prussia : Dantzig ..	Manufactures in Amber ..	29	Sundry articles manufactured from amber; beads of the same, exhibited on account of their beauty and workmanship, and to show the difficulty of joining small pieces : the uniformity of colour very difficult to obtain. The beads sent to show the way in which they are prepared and packed for the trade.
HOFRICHTER, C. ..	Austria : Reichenau ..	Cheap snuff-boxes .. ..	29	Papier-maché tobacco-boxes; spice and sugar-boxes; sewing-cushions.
HOGAN, J. ..	United Kingdom ..	Drunken Faun in plaster ..	30	A drunken faun.



# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	
HOLDEN, J. and Co..	Ireland : Belfast ..	Muslin insertions & trim- mings .. ..	19	{ Sewed book-muslin collar capes. Caps, infants' frock bodies. Cam- brie and book insertion. Sewed cambric flouncings. Linen cambric handkerchiefs, Polka jackets.
HOLDEN, H. A. ..	England : Birmingham ..	Carriage lamps .. ..	22	{ Door-handles, carriage-door hinges, mouldings and headings, harness- buckles, &c. Chariot lamps and railway signal lamps.
HOLDFORTH and Son ..	England : Leeds ..	Spun silk-yarns in all numbers .. ..	13	{ Specimens of the article known as silk waste, spun silk yarns, and samples of silk yarn, dyed and finished, spun by the exhibitor's pro- cess.
HOLDSWORTH, J. and Co. ..	England : Halifax and Bradford ..	Damasks and other furni- ture cloths .. ..	12	{ Damask table-covers, plain and fancy stuffs.
HOLDSWORTH, W. B. and Co.	England : Leeds ..	Satin-finish linen threads .. ..	14	{ Linen thread, soft satin-finish, and old finish, linen shoe thread.
HOLLAND, T. & Co. ..	England : Godalming ..	Fleecy hosiery for medical use .. ..	20	{ Under-clothing, manufactured of a fleecy, superior, and peculiarly prepared wool. Segovia shirts, trousers, hose, &c. Outer clothing, light and remarkably warm. Shirts.
HOLLAND and Sons ..	England : London ..	Carved bookcase .. ..	26	{ Bookcase, founded on the cinque-cento style, composed of British woods and marbles. Console table and glass. Water lily circular table.
HOLLAND, W. ..	England : Warwick ..	Table-tops in imitation of marble .. ..	26	{ Specimens of ornamental painting and decorating in various styles, adapted for dining and drawing rooms, libraries, &c. Imitation inlaid woods and marble. Newly invented flocking machine for decorating walls.
HOLLAND, Henry ..	England : Birmingham ..	Hollow metallic frames for umbrellas .. ..	29	{ Umbrellas and parasols with metallic frames, illustrations of processes of manufacture. Dog-cart, or sporting buggy. Set of buggy harness.
HOLMES, H. and A. ..	England : Derby ..	Park phaeton, very neatly finished, & in good taste	5a	{ Light park phaeton. Dog-cart, or sporting buggy. Set of buggy harness. Winter shoes for horses. Drawings of modern carriages. Horse- Machine for thrashing, &c. Drilling and sowing machines. Horse- lever rake. Barley aveler. Corn-dressing or winnowing machine.
HOLMES and Sons ..	England : Norwich ..	Thrashing machine .. ..	9	{ Hand-barrow drill. Turnip and mangelwurzel cutter.
HOLMES, G. L. ..	America : Tennessee ..	Cotton .. ..	4	{ Samples of ginned cotton.
HOLTING and HOFFEN ..	Prussia : Barneue ..	India-rubber braces .. ..	28	{ Assortment of India-rubber braces.
HOLTZAPPEL and Co. ..	England : 64 Charing 127 Long Acre ..	Collection of woods for turning .. ..	4	{ Specimens of woods commonly employed in turnery.
HOLTZAPPEL and Co. ..	As above .. ..	Amateur foot-lathe with overhead motion; side rest & eccentric chucks, &c. for ornamental turn- ing, with various appa- ratus and tools ..	6	{ (A centre lathe for amateur ornamental turning. Eccentric, oval, spherical, geometric, and other chucks. Compound sliding rest. Drilling instrument. Sets of turning tools, &c., in ivory and hard- wood. Specimens of turning by amateurs in ivory and other materi- als. Cannel coals.
HOLTZAPPEL and Co. ..	As above .. ..	Turning in ivory .. ..	28	{ As above.
HOMMEL-ESSEL, F. ..	Switzerland : Aarau, Canton of Aargau .. ..	Drawing instruments .. ..	10	{ Case of mathematical instruments. Pocket compasses.
HOMER, B. C. and F. ..	Netherlands : Zaandijk ..	Specimens of parchment & writing .. ..	17	{ Five parchment and double elephant papers.



NAME			LOCALITY.		ARTICLES REWARDED.		Class.		DESCRIPTION OF ARTICLES EXHIBITED.	
Hood, R. V.	..	..	Van Diemen's Land:	Hobart Town	Woods	..	4	..	Timber of silver-wattle, one side polished. Muskwood slabs, one squared and polished. Blackwood slabs squared. Cross section of small tree of Huon pine, one corner smoothed and polished. Huon pine slab, squared and polished. Myrtle-root slab. Myrtle slab from the stem of the tree.	
Hood, S.	..	..	England :	81 Upper Thames-st.	Cast-iron enamelled stall and manger	..	22	..	Stable stall with a cast and wrought-iron hay-rick, enamelled manger and cistern.	
Hook, John	..	..	England :	66 New Bond-st.	Ladies' shoes	..	20	..	Ladies' riding boots, dress boots and shoes, costume boots and shoes, slippers, clogs.	
HOOPER, C. and Co.	..	..	England :	Stroud ..	Fine cloths, and elastic cloth for gloves	..	12	..	Cloths, wool-dyed, wooded, piece-dyed, &c. Single milled casimere. Elastic trousering and gloves cloth.	
HOOPER, G., CARROZ & T. BOUIER	..	..	France :	6 Rue des Fossés Montmartre, Paris	Plain, figured, and printed silk gauzes, also illusion tulle	..	13	..	Neckerchiefs and mittens in lace. Shawls, dresses of various patterns, and embroidered and printed novelties.	
HOOPER, G.	..	..	England :	28 Haymarket	Green Brougham, got up in the neatest manner, all in good taste and well done	..	5a	..	Improved Brougham carriage. Improved barouche landau. Designs of new and improved forms of carriages. Working model of a Brougham carriage.	
HOPKIN and WILLIAMS	..	..	England :	5 New Cavendish-st.	Chemical products	..	2	..	Pure tannin. Crystallized chromic acid. Benzoate of ammonia. Binoxide of mercury. Pure aconitine, and other chemicals.	
HOPKINSON, J. and J.	..	..	England :	18 Soho-sq.	Horizontal grand piano-forte, with new patent action	..	10a	..	Horizontal grand piano-forte with new action. "Boudoir piano-forte, and a rosewood cottage piano-forte.	
HORAN, H.	..	..	England :	Islington	Prepared whalebone	..	28	..	Prepared Greenland whalebone of different colours, for covering whip-handles, walking-sticks, and telescopes, with portions of black and white whalebone as cut from the fin.	
HORNEY and KENWORTHY	..	..	England :	Blackburn	Sizing and dressing machine, and self-acting backing-off motion to a warping machine	..	6	..	Sizing or dressing machine, with a peculiar arrangement for laying-out yarn, &c. Model of a warping machine, with a self-acting backing-off motion.	
HORNE, THORNTWHAITE and Wood	..	..	England :	123 Newgate-st.	Good work in photograph apparatus	..	10	..	Dissolving views. Transparency of the moon. Electro-galvanic machine, &c., for medical galvanism. Oxy-hydrogen microscope. Daguerreotype and calotype apparatus and chemicals. Agricultural drainage levels, galvanometer.	
HORROCKSES, MILLER and Co.	..	..	England :	9 Broad-st.	Shirtings and long cloths	..	11	..	Long cloths and twilled shirtings. Fine Saxony cloth, all wool. Fine Henrietta cloth, silk and worsted. Cobourg cloth.	
HORSEFALL, J. G. and Co.	..	..	England :	Bradford	Light cloths..	..	12	..	Cobourg cloth, cotton and worsted. Annealed wire. Hitch and bridge pins. Spun brass strings, &c., for piano-fortes, and other instruments.	
HORSEFALL, H.	..	..	England :	Birmingham	Pins, and wire for fish-hooks	..	22	..	Steel wire for needles, fish-hooks.	
HÜSSL, R. and Co.	..	..	Saxony :	Chemnitz	Damasks	..	12	..	Damasks, woollen, purple, green, crimson. Silk and wool, two and three coloured brown, striped gobelins, and two coloured green. Cotton and woollen, scarlet, light blue, brown, green, crimson, Royal blue, nazarath, &c., table-covers.	
HOSKEN, R.	..	..	England :	Penryn..	Granite obelisk	..	27	..	Granite obelisk and base, 20 feet high, weighing about 15 tons, of Cornish granite, from the quarries at Carnseu, near Penryn.	
HOSKING, R.	..	..	England :	Truro	Treble-beat pump-valve..	..	5	..	Treble-beat pump-valve.	



NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
HITCHKISS, H. G. and L. B. HOUGHCAINT-CHARDIN ..	America : New York France : 19 Rue de Faubourg St. Honoré, Paris ..	Oil of peppermint.. ..	4	Sample of oil of peppermint.
HOUEY, A. and Co. ..	France : 46 Rue de Fer à Moulin, Paris ..	Gloves .. Assortment of black and coloured varnished leather	20	120 pairs of gloves, made of skins matched in colour and quality.
HOULIER-BLANCHARD, H. ..	France : 36 Rue de Cléry, Paris ..	Pair of pistols & apparatus	16	Japaned calf-leather for boots and shoes.
HOULDSWORTH, T. and Co. ..	England : Manchester ..	Fine yarns .. ..	8	Specimens of fine cotton yarn, and of double yarn, or fine cotton lace thread.
HOULDSWORTH, James & Co.	England : Manchester ..	Furniture silks .. ..	13	Rich figured silk fabrics, for furniture. Machine embroideries. Silk banners—one composed of silk grown and manufactured in England.
HOULDSWORTH, James & Co.	As above .. ..	Embroidery by machinery	19	As above.
HOWE, J. and Co. ..	England : Coventry ..	Skein-dyed silk .. ..	18	Specimens of self-colours, dyed from thrown silk. Yellow gum. Specimens of shade-dyeing, &c., said to show permanency of colour.
HOWE, S. G. ..	America : Boston.. ..	A system of character (slightly angular in form without capitals) for the blind .. ..	17	Specimens of books for the blind.
HOWARD, J. and F. ..	England : Bedford ..	Two-horse XX plough, four-horse plough, horse rake .. ..	9	Iron ploughs. Swing-plough, and double-breast or moulding-plough. Subsoil-plough. Double-furrow plough. Iron harrows. Horse- rakes. Improved double-action corn-mill, horse-power gear-work.
HOWARDS and KEW ..	England : Stratford, Essex ..	Alkaloids, and other pre- parations.. ..	2	Quinine and cruchonine, with materials and salts. Nectandria, radical, or green-heart bark, and its alkaloid beberine. Camphor, borax, tartaric acid, antimony, silver, bismuth, iron, mercury, magnesia, potassium, iodine, zinc, opium, and their pre- paration.
HOWARTH, J. ..	England : Sheffield ..	Edge tools (engraving) ..	21	Tools for engravers and print-cutters, mariners' compass, needles gunsmiths' stocking tools, turning, and carving, and other tools, tool-chest.
HOWELL, JAMES and Co. ..	England : Regent-st. ..	Guipure Hointon lace shawl	19	Hointon guipure lace-shawl, mantle, and berthe. White silk dress and apron, embroidered with birds and flowers.
HOYLE, T. and Sons ..	England : Manchester ..	Machine-printed calicos ..	18	Printed calicos. Printed cambrics, suitable for children, and large patterns for dresses. Printed muslins. Checked and plain jaconets. Printed mousseline-de-laines and Llamas, both mixed fabrics.
HOYLES, Henry ..	England : Sheffield ..	Side-board .. ..	26	Sideboard carved in walnut.
HUBER, J. ..	France : 29 Rue Bergère, Paris ..	Carton-pierre .. ..	28	Door in the style of Louis XIV., niche and plaster of a figured frieze in renaissance style, cariatides, medallions, vases, and capitals.
HUBERT, Mme. Josephine..	France : Mondeville, near Caen ..	Head dresses, &c. ..	19	Flowers, fruits, leaves, lace and guipure, in relief, embossed and raised.
HUGES, — ..	France : 31 Rue Corbeau, Paris ..	Apparatus for grinding & preparing alimentary substances .. ..	6	Complete apparatus for grinding alimentary substances, entirely in metal, and of great power, of the most improved construction.



NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
HUB, J. B.	France : 76 Faubourg St. Martin, Paris	Press for manufacturing hooks and eyes, cutting and bending them at the same time	6	{ Various locks. Machine for cutting and bending at the same time hooks and eyes, made and invented by the exhibitor. Hooks and eyes cut by the said machine.
HUFFER, J.	England : Clerkenwell	Locks	22	Detector and chest lock, secret action. Locks for desks, trunks, portfolios, drawers, and carpet-bags.
HUFFNAGLE, Dr.	India : Calcutta	Series of laces	4	Series of laces.
HUGHES and KIMBER	England : 106 & 107 Shoe-lane.	Copper and steel plates for engravers.	4	{ Copper-plate for line engraving, hard and polished steel-plate for mezzotinto engraving.
HUGHES, W.	England : Manchester	Typography for the blind	10	Typography for the blind, enabling them to express their thoughts upon paper. A similar instrument for embossing or printing in relief.
HUGHES, J. J., Junr.	France : Grasse	Essential oil	4	Bottles of various essences.
HULL Local Committee	England : Hull	Hull imports	29	Specimens of the saps imported articles of the port of Hull, accompanied with descriptions and statistical information.
HULLMANDEL and WALTON.	England : 51 Great Marlborough-st.	Chromolithography	30	Drawing on stone with the stump. Combination of the stump style and lithographic chalk. Lithotint, drawn on the stone with liquid ink and a brush.
HUND, F. and Son	England : 21 Ebury-st., Pimlico	Cottage piano-forte in the shape of a lyre, termed the Lyra piano-forte	10a	{ The Lyra, a cottage piano-forte in the shape of a lyre, with long scale and a peculiarly constructed platform. The performer or vocalist enabled to face the audience.
HUNTER, Dr.	India : Madras	Vegetable fibre	4	Vegetable fibre.
HUNTER, Edwin	England : Sheffield	Scissors	21	Scissors and shears of every variety with specimens of rough steel to the finished article.
HUNYADY von KETHELEY, Count Joseph	Austria : Urmény	Wools	4	Sheep-wool in fleeces.
HUTCHET & CAMPSIE Alum Co.	Scotland : Glasgow	Alum and prussiates	2	Alum. Red and yellow prussiates of potass.
HURST and Sons	England : Nottingham	Excellence of home and export hosiery goods	20	{ Brown and white, plain, open work and embossed cotton hose and half hose, cotton and spun silk drawers and vests.
HURWOOD, G.	England : Ipswich	Meal-mill	9	Various metal mills for grinding corn, pulse, spices, &c. Plate showing grinding surface of a mill. Stone case, with apparatus for supplying air to the grinding surfaces of mill-stones.
HUSKISSON, J. W. and H.	England : 77 Swinton-st.	Chemical products	2	Chemical preparations of soda, iodine, mercury, potass, lead, citric and tartaric acids, iron and zinc.
HUTCHINSON and Co.	England	Vegetable fibres	4	Samples of the ordinary flax and hemp of commerce, French, Flemish, Dutch, Friesland, Archangel, Riga, English, Egyptian, and New Zealand flax. St. Petersburg, Riga, American, Egyptian, India, Manilla, Italian hemp and jute.
HUTCHINSON, Dr.	England	Spirometer	10c	Three spirometers of different constructions.
HUTH and Co.	Prussia : Hagen	Steel	1	Samples of steel-ore and hardwares, including cast steel files, carpenter's tools, various vices and anvils.
HUTTON and NEWTON	England : Sheffield	Scythes and reaping-hooks	21	Crown hay and straw knives. Scythes, reaping hooks, and sickles, suitable for New South Wales, Australia, Canada, the Indies, the Cape of Good Hope, Russia, and the United States of America.



# DESCRIPTION OF ARTICLES EXHIBITED.

Class.

## ARTICLES REWARDED.

### LOCALITY.

### NAME.

HUTTON, J. . . . .	England : Commercial-road . .	Chronometers . . . . .	10b	Watches with single compensation stud. Clock with compensation pendulum and barometric regulator. Marine chronometer with pneumatic auxiliary compensation. Hutton's lever chronometer.
HYDE and Co. . . . .	England : 61 Fleet-st. . . . .	Sealing-wax adapted for hot countries . . . . .	17	Rider's new mode of taking impressions from intaglios. Solid India and other sealing-wax.
IAKOVLEV, Mme. Catherine	Russia : Grishino, Riazan . . .	Cutlery . . . . .	21	Articles of hardware. Knives.
IBBETSON, Capt. . . . .	England : Old Brompton . . .	Model of the Isle of Wight . .	7	Trigonometrical model of the Undercliff, Isle of Wight, from a trigonometrical survey, the vertical heights being on the same scale as the base
IBBETSON, Capt. . . . .	As above . . . . .	Bronzing, iron, & metallic castings, new method (& special approbation) . . . .	22	Bronzing, iron and metallic castings by a new method.
IBBETSON, Capt. . . . .	As above . . . . .	Electrotypes . . . . .	23	Electrotypes from the animal and vegetable kingdom. Ornamental castings in various metals.
IBBETSON, Brothers . . . .	England : Sheffield . . . . .	Cast-steel scythes, &c. . . . .	21	Collection of cast steel circular saws, polished. Segment of a circular veneering saw. Large collection of mill and hand saws. Cast steel Panel or block plane, capable of being altered to a mitre plane. Improved bill-pruning saw. London pattern hand and back saws. Specimens of figured velvets.
IBBETSON, Thos. . . . .	Scotland : Glasgow . . . . .	A plane . . . . .	21	Pedestals and slabs of a new material imitating marble.
IBBETSON, R. . . . .	England : Sheffield . . . . .	Saws . . . . .	21	Cast steel scythes.
IBRAHIM, Aga . . . . .	Turkey . . . . .	Specimens of figured velvets .	13	Vases, ornamented with paintings. Slabs for tables.
ILES, C. and Co. . . . .	England : Birmingham . . .	Pedestal, &c. of a new material resembling marble . .	27	Vases ; dinner service ; fruit, bread, and ice baskets of porcelain. A Inlaid chess table.
IMPERIAL ARTS WORKS . . .	Russia : Zlatoust . . . . .	Scythes . . . . .	21	Clay figures representing the various Hindoo castes and professions, manufactured in Kishnagur.
IMPERIAL RUSSIAN China	Russia : St. Petersburg . . .	Porcelain . . . . .	24	Printing machine on the vertical principle as used at the "Times" office. The machine erected in the Exhibition was made to print circular wood-cuts and type in the best manner.
IMPERIAL AUSTRIAN China	Austria : Vienna . . . . .	Porcelain . . . . .	24	Horn buttons, illustrations of the manufacture prior to the patent, and the improvements made since.
INDIA COMPANY, Hon. East	India : . . . . .	Inlaid chess table . . . . .	27	Specimens of Scotch tweeds.
INDIA COMPANY, Hon. East	As above . . . . .	Clay figures representing the various Hindoo castes and professions, manufactured in Kishnagur . . . . .	29	Printed mouseline-de-laine on cotton warp ; printed cushmères, bal-arines, cottons, and jacquets.
INGRAM, H. . . . .	England : 198 Strand . . . .	Applegarth's vertical printing machine . . . . .	6	Reduced model of Ryder's improved suspension truss bridge. Full-sized model of the same.
INGRAM, T. W. . . . .	England : Birmingham . . .	Buttons . . . . .	22	Cloth of different colours.
INGLES and BROWN . . . .	Scotland : Galashiels . . . .	Tweeds . . . . .	12	New dach and trews.
INGLES and WATFIELD	Scotland : Glasgow . . . . .	Machine-printed mouseline-de-laine & bal-arines & barges . . . . .	18	Longer and shorter.
IRON BRIDGE COMPANY, New York	America : New York . . . . .	Model of Ryder's patent Woolen cloths . . . . .	7	Longer and shorter.
ISAREFF, E. . . . .	Russia : Tchernikoff . . . .	Woolen cloths . . . . .	12	Longer and shorter.
ISAREFF, E. . . . .	Prussia : Stettin . . . . .	Woolen cloths . . . . .	12	Longer and shorter.



NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
JACKSON, W. H. and S. JACKSON and GRAHAM	England : Clerkenwell .. England : 37 & 38 Oxford-st. ..	Watches, solid key .. Carved sideboard and other furniture .. ..	10b 26	Solidlave lever watches, duplex timepiece, and pocket and marine chronometer, with a new compensation for extreme temperatures. Sideboards, book-cases, chairs, sofas, cheval-screens, &c. London carpet, carpet of mockesque design, velvet-pile carpets, tapestry velvet carpet and border, London rugs.
JACKSON, P. R.	England : Manchester .. ..	Railway tyres, hydraulic press .. ..	5	Locomotive and carriage tyres. Spin-wheel, moulded by a patent machine. Stench-trap, easy to clean out. Model of a powerful hydraulic press, which will lift upwards of 3,000 tons.
JACKSON, — .. ..	America France : 43 Rue du Faubourg St. Denis, Paris .. ..	Annunciator .. .. Paintings of flowers on china .. ..	22 30	Annunciator. { One dozen painted plates in porcelain of Sèvres. Two large paintings on porcelain, flowers and fruits, exhibited by the Sèvres national manufactory.
JACOLOT, Mme.	France : Sèvres .. ..	Head of Raphael .. ..	30	Pictures & copies of pictures of the great masters on Sèvres porcelain.
JACQUET, H. and Co.	Sardinia : Latour Luzerne .. ..	Silk .. ..	4	Specimens of raw and thrown silk.
JACQUIN, J. J.	France : Troyes .. ..	Circular hosiery frames .. ..	6	Circular looms. Samples of woollen, and woollen and cotton weaving.
JAEGER, W. and Co.	Tuscany .. ..	Silk .. ..	4	Raw silk from the exhibitor's spinning mills.
JAHN and BOLIN	Russia : St. Petersburg .. ..	Setting of diamonds .. ..	23	Table with glass case to exhibit jewellery.
JAILLON, MOINIER, and Co.	France : La Villette .. ..	Stearic candles .. ..	29	Stearic acids. Stearine candles. Soaps.
JAME, BLANCHI, & DUSEGNEUR	France : Lyons .. ..	Silk .. ..	4	Raw and thrown silks ; cocoons.
JAME, BLANCHI, & DUSEGNEUR	As above .. ..	Grenadine and organzines .. ..	13	Various samples of raw and wrought silks
JAMES and Co.	England : 24 Leadenhall-st. ..	Weighing crane .. ..	5	Crane for raising & weighing at one operation ; and weighing machines.
JAMES, Jabez	United Kingdom .. ..	Model of Britannia Bridge .. ..	7	Model of the Britannia bridge, and of the apparatus used in floating and raising the tubes.
JAMES, J.	England : Bedford, nr. Worcester ..	Fish-hooks and needles .. ..	22	Needle boxes, furnished. Needles and fish hooks in the various processes of manufacture.
JANSEN, A. D.	Belgium : Brussels .. ..	Collection of sporting and ornamental guns .. ..	8	Guns, rifles, and pistols. A target.
JATINS, J. B. and Sons	France : Claye .. ..	Printed furniture, cotton and chintz .. ..	18	Printed calicos. Prints, articles for furniture; and muslins for dresses.
JARDINE, D.	India : Calcutta .. ..	Silk .. ..	4	Silk and cocoons.
JASTRZEBSKI, F.	Belgium : Brussels .. ..	An upright piano-forte .. ..	10a	Six and three quarters and seven octave upright pianos.
JAULIN, J.	France : 11 Rue Albony, Paris.	A Panorgue and improvements in free reeds .. ..	10a	A panorgue connected with a piano, and an organ upon a new principle.
JEAKES, W.	England : 57 Great Russell-st. ..	Stove grates (and special approbation) .. ..	22	Improved ventilation stove grate, the heating surfaces of which are composed entirely of pure fire-brick. An improved grate.
JEANSELMÉ, J. P. F.	France : 93 Boulevard Beaumarchais, Paris .. ..	Cabinet and sofas .. ..	26	Cabinet work : oak sideboard, dressing-room furniture, arm chairs, and chairs in Louis XV. style.
JEANTY, PREVOST, PERRAUD, and Co.	France : La Villette .. ..	Beet sugar .. ..	4	Three leaves of refined sugar.
JEFFERS, W. H., the Workman of	America : New York .. ..	Ladies' boots and shoes (honourable mention to exhibitor) .. ..	20	Cork sole and well-stitched back-part gaiter-boots. Gaiters of various kinds. Red and embroidered morning satin slippers.



NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
JEFFERY, WALSH, and Co...	England : Limehouse ..	Specimens showing the advantage of marine glue, as a substitute for pitch, and for other purposes connected with ship-building. .. .. .	8	{ Specimens of marine glue, showing its utility in naval architecture, and its durability and cleanliness. In the construction of masts, small seasoned Dantzig or northern timber can be used instead of yellow pine.
JENKIN, W. ..	Netherlands : Utrecht ..	A plough .. .. .	9	Swing plough of Flemish construction. Turnip and carrot cutter of a new construction.
JENKINS, W. and Sons ..	England : 10 London-st. ..	An expanding piano-forte for yatches, &c. .. .. .	10a	Expanding piano-forte for yatches, &c. Cabinet piano-forte in the Elizabethan style.
JENKINS, Major F. ..	India : Assam ..	Assam produce .. .. .	4	Assam produce.
JENNENS and BETTRIDGE ..	England : 6 Halkin-street, West ..	Papier maché inlaid piano-forte .. .. .	26	{ The Victoria Regia cottage Piano-forte. Chairs, inkstands, tables, trays, and other works in papier maché. Multum in uno.
JENNINGS, — ..	India ..	Silks .. .. .	4	Silks.
JENNINGS, G... ..	England : Great Charlotte-st. ..	Water closet .. .. .	22	India-rubber tube water closets. India-rubber tube cocks. Improved cistern valve. Shop shutter shoe. Joint for connecting pipes without solder.
JENNINGS, R. ..	United Kingdom ..	Statue of Cupid in marble .. .. .	30	Statue of Cupid.
JERCHAU, J. A. ..	Denmark : Copenhagen ..	Group in plaster, hunter and panther .. .. .	30	{ Adam and Eve, a group in plaster. Group in marble, hunter and panther. Two bas-reliefs in plaster, being specimens of a frieze for the palace of Christiansborg, in Copenhagen. Bust in plaster.
JENNINGHAM, Capt., R.N..	United Kingdom ..	An anchor, bent on to a line, to fire from a Manby mortar, a sufficient distance to afford the means of hauling a life-boat through the surf .. .. .	8	Anchor and mortar for shipwreck purposes.
JETU, C. A. ..	Canada : Quebec ..	Curried porpoise leather and samples of leather from the skin of the whale .. .. .	16	Dressed porpoise-skin and whale-skin leather.
JEPPORE, the Rajah of ..	India ..	Attar of roses .. .. .	4	Attar of roses.
JOHNSON and Co. ..	England : Sheffield ..	Radiating stove .. .. .	22	Light and heat reflecting stove-grate and marble chimney-piece. Furnished steel register stove, ornamented with twisted steel mouldings, gilt coronet, and silver feathers. Air stove.
JOBST, F. ..	Wurtemberg : Stuttgart ..	Quinine .. .. .	2	Sulphate and other compounds of quinine ; pure kali hydro-odinic.
JOCADAH FACTORY, the Proprietors of ..	India ..	Indigo .. .. .	4	Indigo.
JOHANSSON, J. ..	Sweden : Stockholm ..	Stearine candles .. .. .	29	Specimens of stearine and of stearine candles. Specimens of moulds for casting.
JOHNSON and MATTHEY ..	England : 79 Hatton-garden ..	Collection metallurgic .. .. .	1	Metals and compounds : platinum, palladium, iridium, rhodium, uranium.
JOHNSON and MATTHEY ..	As above ..	Palladium crucibles .. .. .	10	As above.
JOHNSON, CAMMELL, and Co.	England : Sheffield ..	Quality of steel .. .. .	1	Model of the Cyclops works. Specimens of iron and steel, suitable for engineering, tool-making, &c. Assorted machine lengths. Specimens of and rasps from the works of Messrs. Johnson, Cammell, and Co. Machine tools, draw-plates, and similar, railway-carriages, horse-box, bearings, &c.



DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
JOHNSON, CAMMELL, and Co. JOHNSON, R. and Brothers	England : Sheffield .. England : Manchester ..	Files .. Wire-drawing benches ..	1 6	Model of the Cyclops works, &c. (See preceding page.) Wire-drawing benches, showing the process of drawing strong and fine sizes of iron-wire, with specimens.
JOHNSON, J. .... JOHNSON, W. and A. K. ..	England : Manchester .. Scotland : Edinburgh ..	Quillings and toilet covers .. Geological and physical globes ..	11 10	White and coloured figured wove, and white diamond quilting for vests. White and coloured bed and toilet covers. Terrestrial globe 30 inches in diameter, showing the geological structure of the earth, the currents of air and of the ocean, trade winds, trade routes, monsoons, and isothermal lines, or lines of equal temperature.
JOHNSTONE and JEANES JOLLY-LECLERC ..	England : 67 New Bond-st. France : 38 Rue Faubourg St. Antoine, Paris ..	Expanding table .. Cabinet work ..	26 26	Sideboard of mahogany. Circular dining table. Expanding plateau for dining table. Carved library chair. Rosewood wardrobe, carved with looking-glass and small étagère.
JOLY, Mmes. Sisters ..	France : 45 Rue Neuve St. Augustin, Paris ..	Corset of novel description from Havannah tobacco	20	Fancy white satin, white drill, mohair, &c., stays ; trimmings.
JONAS, E. and Brothers ..	England : Whitechapel ..	Collection of Havannah cigars representing the state of the English market ..	3	Cigars and tobacco.
JONES, B. and Co. ..	England : 39 Brunswick-sq.	Cab phaeton ; a well-finished carriage ..	3 4	Cigars, foreign and British. Starch, hair powder, and gluten from rice.
JONES, O. and Co. ..	England : Battersea ..	White peas ..	5a	Four carriages, a calosh, a phaeton cab, pony break, and buggy.
JONES, Brothers ..	Belgium : Brussels ..	Cotton ..	3	Barrel of peas.
JONES, D. ....	Canada : Sydney ..	Cotton ..	4	Samples of Upland cotton.
JONES, J. R. ....	America : Charleston ..	Cotton ..	4	Printing in colours from stone for illustrated works.
JONES, J. V. ....	America : Charleston ..	Chromolithography ..	30	Maps in relief, and maps printed in colours. Geological map, in relief, of the Grand Duchy and Electorate of Hesse, with the Duchy of Nassau and bordering countries. Geological map, in relief, of Wurtemberg, Baden, and the neighbouring countries, including the Palatinate and Alsatia, tinted in 30 colours, upon the same scale as the preceding map.
JONES, OWEN. ....	Duchy of Hesse : Darmstadt ..	Geological maps ..	1	Hand-atlas.
JONGHAUS and VENATOR ..	France : 5 Rue de l'Entrepôt, Paris ..	Porcelain ..	24	Vases, decanters, clocks, scent bottles, tête-à-têtes.
JOHANNEAUP and DUBOIS ..	Austria : Tetschen on the Elbe ..	Gruaux and common flour ..	3	Different kinds of flour from Austrian wheat.
JORDAN and BARBER ..	England : Lambeth ..	Oak screen, &c., carved by machinery ..	26	{ Specimens of Jordan's machine-carving, altar-screen chairs, trophy of birds, foliage, statuettes.
JORDAN, T. B. ....	Belgium : Brussels ..	White varnished hide ..	16	Oil-cloth and other fabrics. Tanned and curried hides. Varnished paper for packing.
JOREZ, — Jun. ....	As above ..	Printed moleskin table-covers ..	19	As above.
JOREZ, — Jun. ....	France : 37 Rue Louis-le-Grand, Paris ..	Corsets ..	20	Stays of every kind.
JOSELIN, J. J. ....	France : Angers ..	Hemp ..	4	Raw and combed hemp and flax. Sail-cloths. Tent-cloths. Firemen's rail cloths. White pantaloons-cloths.
JOSEPH-BONNAMY, and Co.	France : Angers ..	Muslin ..	11	Tissues, jaconets, organzines, muslins.
JOURDAIN, X. ....	France : Altkirch ..	Kid gloves ..	20	Skins ; tools used in the manufacture of gloves, dyed skins, gloves.
JOUVIN and DOYON ..	France : 8 Boulevard Bonne Nouvelle, Paris ..			



DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
JOUVIN, Mme. JOWETT, T. and Co...	France : Grenoble England : Bingley..	Gloves .. .. Fabrics from Alpaca wets and silk and cotton warps ; also of silk warp and linen wett .. ..	20 12	Glove-leather, gloves, machine for cutting out gloves. { Mixed fabrics of cotton, alpaca, silk, and china grass, for vestings, dresses, &c., woven by power-looms.
JOWITT and BATTIE..	England : Sheffield	Files .. ..	21	Specimens of forged, tilted, rolled, and hand-drawn, cast, shear, and spring-steel. Engineers' and machine-makers' cast steel files.
JOYNSON, W... JUDKINS, C. T.	England : St. Mary Cray England : Manchester ..	Writing paper .. .. Heald machine and im- proved head .. ..	17 6	Specimens of writing paper. Large bank post, blue wove, blue laid, and cream laid post, cream laid and blue laid foolscap. Heald machine for producing healds, or weavers' harness, &c. Sewing machine capable of sewing 500 stitches per minute. Self-acting machine for closing metals upon the eyes or loops of healds.
JUHEL-DESMARES, L..	France : Vire .. ..	Woollen cloths .. ..	12	Cloths of various fabrics and colours, twilled beaver, double milled, and plain cloth, satin.
JULIN, N. .. JUELLEN, — Sen. JUMEAU, Pierre JUNOP, Dr. T.	Belgium : Liege .. .. France : Tours .. .. France .. .. Switzerland : Lausanne..	Shell cameos .. .. Specimens of gimps, &c. .. Dolls' dresses .. .. Apparatus for hemostatic ..	28 19 29 10c	Cameos. Trimmings for furniture. Dolls' dresses. Apparatus to supersede, in many instances, bleeding, leeches, and cupping, without the loss of blood.
JURGENSON and SONS	Denmark : Copenhagen ..	Metallic thermometer ..	10	Two box chronometers with free escapement, &c. Gold watch adapted for observations. Metallic thermometers. Model of the detached escapement usually employed in the chronometers of the exhibitors.
JURGENSON and SONS	As above .. ..	Chronometer .. ..	10b	As above.
KALDE, T. .. KANE, G.	Prussia : Berlin .. .. Ireland : Dublin .. ..	Boy with swan, in bronze, &c. Portmanreus and camp furniture .. ..	22 16	Group : the Bacchante with the panther. Cast in plaster of Paris from marble. A boy with a swan, in bronze.
KAPPELLER, L. and Son KARGER, H. & WESTERMANN, KARNOVITCH, E. .. KAUFFMAN, H.	Bavaria : Hafnerszell .. France : Metz .. .. Russia : Iaroslaff .. .. Prussia : Berlin .. ..	Graphite crucibles .. .. Articles of stamped iron .. Flax .. .. Woollen velvets of plushes of goats' hair of various descriptions, printed and chine .. ..	27 22 4	Portmanreus and camp furniture. Various sorts of black crucibles for melting gold, silver, iron, steel. Articles in stamped iron, tinned or varnished. Flax, prepared after the Flemish method. Rape-seed.
KAUFMANN, A. KAY, RICHARDSON, & WROE	Russia .. .. England : Manchester ..	Woods .. .. Chine goods of cotton, worsted, silk, and linen, with printed warps ..	15 4	{ Printed and other plush for furniture, livery plushes, plush for coats, shoes, caps, &c. Velours of cotton (castorine.) Specimens of woods.
KEEF and WATKINS..	England : Stourbridge ..	Avails, vice, &c. ..	32	{ Brocade chiné, chiné barège de Valenciennes. Chiné Versailles. Barège robe de Veronn. Spades and shovels. Improved cast-steel draining tools. Plough- travelling, and iron, and "hatted-bowls. Scythes, hay-cutting, and "thatchers' knives. Spinning wheels, and various other small machines, stoves, and iron, and "hatted-bowls, for use in seed "thatchers' knives. Spinning wheels, and various other small machines, stoves, and iron, and "hatted-bowls, for use in seed



NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
KEHL, Brothers ..	Switzerland : Schwendi, Canton of Berne ..	Articles carved in wood ..	28	{ Box wood salad spoon and fork, ruler, drinking-cup for children, nut-crackers, folder, handle of chamois horn, &c. Sculptured printed plate.
KEILLISH, Henry ..	United Kingdom ..	Models of a miniature tigress and cubs ..	16	Models of a miniature tigress and cubs.
KEITH and Co. ..	England : 124 Wood-st. ..	Furniture silks ..	13	Silk trophy. Rich tissues, brocades, brocatelles, silk damasks, silk and printed damasks, carriage linings, diaphane, window blinds.
KEITH and Co. ..	As above ..	Large collection of printed shawls ..	15	Shawls, printed barege, grenadine silk, cashmere, mufflers, and satin, long and square.
KEITH, G. ..	England : 36 Piccadilly ..	Refrigerator ..	22	Ling's ice-safes. Gablen's ice-box. Ice-plane. Coffee or chesnut roaster. Magic mirror. Liquid meter.
KEITH, J. ..	England : 59 Britannia Terrace, City Road ..	Chalices ..	23	Communion service, consisting of flagons, chalices, patens, and offertory basins.
KELL, A. and Co. ..	England : Birmingham ..	Metallic pens ..	22	Steel pens, showing their different forms and qualities, with improvements.
KELLER and Co. ..	Prussia : Birkenfeld ..	Tea service of coloured cornelian, and jewel cases in green moss. agate ..	23	{ A service in red cornelian, vases, boxes, caskets, jewel-cases, and fancy articles in onyx, cornelian, and green moss-agate.
KELLER, Joseph ..	Austria : Brtinn ..	Woollen yarns ..	12	Woollen yarns.
KELLNER, S. ..	Bavaria : Nürnberg ..	Glass painting of window in St. Lorenz Church, Nürnberg ..	30	Glass painting, a copy of the window by Volkanier, in St. Lorenz Church at Nürnberg.
KENDALL and Co. ..	Ireland : Dublin ..	Toilet soaps ..	29	Various fancy soaps, manufactured without any deleterious ingredient.
KENDRASHOFF, — ..	Russia ..	Variety of silks in brocade, damask. Portraits à la Jacquard ..	13	Variety of silks in brocade-damask. Portraits à la Jacquard.
KENNARD and Co. ..	England : 67 Upper Thames-st. ..	Stoves and iron castings ..	22	Four coats of arms, varied designs and sizes. Self-acting and cottage ranges. Register grates. Ornamental castings.
KENRICK and Son ..	England : West Bromwich ..	Enamel ware ..	22	Model of an enamelled tank or cistern with gutta percha joint. Enamelled water, or gas-pipes, troughs, &c. Pulleys, castors, &c. Nail-casting.
KENT, J. H. ..	England : Stanton ..	Dried pharmaceutical herbs ..	2	Dried pharmaceutical indigenous plants, in glass vessels, with extracts.
KENT, G. ..	England : 829 Strand ..	Knife-cleaning machine ..	22	Rotary knife-cleaning machine. Triturating strainers. Rotary cinder-sifters.
KEPP and Co. ..	England : 40 41 & 42 Chandos-st. ..	Copper bath ..	22	Copper-bath. Steamers, hot-water pipes, and skylight frame. Copper covering for roofs ; casements, clock-hands.
KERR, Robert (KERR, SCOTT, and Co.) ..	{ Scotland : Paisley ; — England : 31 & 32 St. Paul's-church-yard ..	{ Fine specimens of every description of shawls, and a variety of tartans ..	15	India long and square shawls. Printed and fancy wool long and square shawls. Grenadines, all silk, and barege, silk and wool. Crapes printed in imitation of real China. Long floral cashmeres, and soft silks.
KERSHAW, T. ..	England : 35 John-st., Fitzroy-sq. ..	Initiations of marbles and wood, for house decoration ..	26	Imitation of foreign and English marbles and woods for house decorations, made of wood and slate.
KESSELER, G. ..	Prussia : Griefswald ..	Bronze statue of Polyhymnia ..	22	Bronze full-length figure of the muse Polyhymnia after the antique statue, in the Royal Museum, Berlin.



# DESCRIPTION OF ARTICLES EXHIBITED.

Class.

## ARTICLES REWARDED.

### LOCALITY.

### NAME.

KESSEKAUL, J. H. ..	Prussia : Aix-la-Chapelle ..	Woollen cloths ..	12	Black twilled cloth, plain cloth, and doeskin.
KEY, Professor J. ..	India : Madras ..	Fixed oils ..	4	Fixed oils.
KIDD and POPGER ..	England : Isleworth ..	Flour ..	3	Flour from English and Australian wheat, dressed through Swiss silk machines.
KIEBAHL, F. ..	Austria : Vienna ..	Automaton toys ..	29	Toys of wood, metal, paper, &c. Musical boxes.
KILBURN, W. E. ..	England : 234 Regent-street ..	Photographs ..	10	Photographic miniatures.
KIMBER, A. M. and Co. ..	America : Philadelphia ..	Wool ..	4	Specimens of fine wool.
KING and PEACH ..	England : Hull ..	Planes ..	21	A variety of planes.
KING, Emma ..	United Kingdom ..	Anatomised plants ..	4	Anatomised plants.
KINZELBACH, T. ..	Wurtemberg ; Stuttgart ..	Diolitic telescope ..	10	Improved diastimeter for the use of the army, with two parallel wires, moveable at the same time, and at equal distances from the centre to the extent of the field of view, along a scale divided to minutes.
KIRBY, BEARD, and Co. ..	England : Cannon-street, west ..	Pins, &c. ..	22	Surveying cross, with a graduated limb and vernier, graduated to five minutes. Improved Wollaston's goniometer, with an auxiliary glass for measuring off the angles of prisms and crystals. Silver hydrometer: Telescopes, mounted equatorially, with divided arcs.
KIRK, W. and Son ..	Ireland : Annvale, Ready ..	Brown linens of low description and price ..	14	An assortment of needles and pins
KIRK and WARREN ..	England : Sheffield ..	Files ..	21	Specimens of linen.
KIRKMAN and SON ..	England : 3 Soho-square ..	A semi-grand piano, and an oblique piccolo piano ..	10a	Files and rasps, suitable for mechanics, engineers, &c. Large file, 54 inches long, to show the various forms of cutting.
KIRTLAND, B. B. ..	America : New York ..	Collection of maize, 34 varieties ..	8	Miniature model of grand piano-forte. Concert grand, with repetition action. The Fonda semi-grand, and oblique piano-fortes.
KISHANGUR, the Rajah of ..	India : ..	Fixed oils ..	4	Sample of Indian corn.
KITSCHEL, A. ..	Austria : Vienna ..	Cast-iron vases, &c. ..	22	Fixed oils.
KITSON, THOMPSON, and HEWITSON ..	England : Leeds ..	Locomotive tank-engine ..	5	Various metal articles : viz., a vase, a cross, and two candlesticks cast in iron. Table cast in zinc. Flower vase of bronze, cast in one piece. Toilet-table, fauteuils, and chairs of hollow wrought-iron tubes, with cast-iron ornaments.
KNECHT, Emile ..	France : Rue de Babylone, Paris ..	Carved figure ..	26	Locomotive tank-engine, length of stroke 22 inches, diameter of cylinder 11 inches, of driving wheel 6 feet, fore and hind wheels 3 feet 8 inches.
KNIKE and Sons ..	England : Foster-lane ..	Chemical apparatus ..	10	Holy water basin, carved in pear-tree wood, of a single piece. Oval frame, with the flowers and ribbons carved in oak-wood gilt.
KNOTT and FOSTER ..	England : 5 Eastcheap ..	Metallic pens ..	22	Chemical cabinets. Portable universal chemical furnace, on the principle of Dr. Black. Improved air-pump. Plate electric machines and galvanic batteries. Working models of electro-magnetic motive engines. Lathe for cleansing and polishing daguerreotype plates. Photographic apparatus.
KNOTT, John ..	England : Old Gravel-lane, St. George's ..	Soaps ..	29	Variety of steel pens : Paxton, Bank of England, swan, correspondence, and anti-corrosive pens.
KNUDZ, J. ..	Austria : Vienna ..	Billiard table and cues ..	36	Extra pale-yellow soap of pure and harmless composition. Soft soap, used in the manufacture of silks, &c., and for machinery.



NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
KNOCKE, A. . .	Bavaria: Munich. . .	Mechanical improvement in kettle-drums. . .	10a	Pair of kettle-drums.
KNOWLES, H. . .	England: Birmingham . .	Buttons. . .	22	Gold-plated enamelled buttons.
KNAPLER and STEINHAUSER	Prussia: Greiz. . .	Merinos and brocade satin de Chinés. . .	12	Specimens of Thibet, French blue, satin d'Espagne, grey satin berber, and satin rayé vert.
KOECHLIN, Brothers . .	France: Mulhouse . .	Printed mousseline-de-laine (all wool) and calicos. . .	18	Chintzes, printed cambriles, barèges, woollen and half-woollen stuffs, &c.
KOHLER, J. . .	England: 35 Henrietta-st. .	A slide trombone, and for the application of his patent valves to other metal wind instruments	10a	Valved wind instruments.
KOLOKOLNIKOFF, P. . .	Russia: Moscow . .	Specimens of gold and silver brocade, chenille, and other textures . .	13	Patterns of brocade.
KOLYVAN, Imperial polish- ing manufactory of . .	Russia: Tomsk . .	Jasper vases . .	27	Jasper vases.
KONGSBERG Silver Works . .	Norway . .	Silver ores, illustrative . .	1	Thirty-two specimens of silver in its different stages from the mine.
KONIG, L. . .	Prussia: Berlin . .	Camaille of superior work- manship . .	16	Camaille from mink tails, with squirrel furs.
KONIGSHUTTE, Royal iron foundry at . .	Prussia . .	Cadmium . .	3	Sundry specimens of ores.
KORNALOFF, N. . .	Russia: St. Petersburg . .	Painting on porcelain . .	30	Vases ornamented with paintings.
KORCHELEFF, Count . .	Russia: near St. Petersburg .	Collection of corn and hops . .	3	Wheat and other agricultural produce.
KOTAH, the Rajah of . .	India. . .	Collection of raw produce . .	4	Collection of raw produce, indigo.
KRAMSTA and Sons. . .	Prussia: Freyburg . .	Bleached plattitas for ex- port . .	14	{ Raw and bleached linens, creas and plattitas royales. Dessert napkins. Linen handkerchiefs. Diaper, jacquard, and damask table-cloths and napkins. Raw linen machine yarn. Samples of starch.
KRASHENENKOFF, — . .	Russia: Orel . .	Hemp . .	4	Hemp.
KRATCH, Brothers . .	Austria: Prague . .	Double pilot cloth coat . .	20	A dress coat of peculiar workmanship. A double coat, that can be worn on either side, made of a new material. A coat made of woollen stuff of peculiar cheapness. Another made of a new woollen stuff.
KRIEGER and Co. . .	France: 79 Faubourg St. An- toine, Paris . .	Card tables, and mechani- cal furniture . .	26	Several articles of furniture for drawing rooms, and dining rooms.
KRONENBERG, W. F. . .	Netherlands: Deventer . .	A large carpet . .	19	Carpets, Deventer carpet woven in one piece.
KRUMBIGEL, — . .	Russia: Moscow . .	Gilt bronze candelabra . .	22	Two gilt bronze candelabra.
KUHMANN, Brothers . .	France: Lille . .	Chemical products . .	2	Collection of samples of twenty different chemical products.
KULLGREN, C. A. . .	Sweden: Udderwalla . .	Granite cross . .	27	Colossal monument of granite, in form of a cross, cut out of a single block. The stone remarkably fine grained, and exhibited as a sample both of quality and material, and of workmanship.
KUMMER, K. W. . .	Prussia: Berlin . .	Large relief globe . .	10	Globe in relief, four feet diameter, on a pedestal.
KUMS, E. . .	Belgium: Antwerp . .	Assortment of canvas, Russia sheetings, &c. . .	14	Imitation pieces of various kinds of canvas, and strong sacking.
KUNDEM, Dr. Louis . .	Prussia: Berlin . .	Pink salt, and oxide of uranium . .	2	{ A mass of crystals of sugar of lead. Acetate of lime. Nitrate of lead. Tinate of soda. Cyanate of potassium. Oxide of uran. Tungstanie acid.



DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class	DESCRIPTION OF ARTICLES EXHIBITED.
KUNERTH, A.	Austria : Vienna ..	Turkish slippers ..	20	Ladies' shoes. Slippers with velvet and gold embroidery. Gentlemen's shoes. Over shoes.
KUPF, W.	England : Camberwell ..	Metal ropes..	22	Specimens of round and flat wire rope for mining and railway purposes, suspension-bridges, &c. Copper lightning-conductor, and sash-lines, strands for fencing.
KUPFER, —	Prussia : Bromberg ..	Wool..	4	Merino fleeces of two year old ewes. Exhibited on account of the fineness and regularity of the wool-staple, and as an illustration of the advance of the production of wool in the Prussian countries of the Middle Vistula.
KURTZ and SCHINERSAHL ..	England : Manchester ..	Colouring matters, &c. ..	2	New colouring matters, and preparations for printing and dyeing in cotton, linen, silk, and wool, with specimens. Ultramarine, of various qualities.
LADOULAYE, C. and Co.	France : 30 Rue Madame, Paris	Printing types ..	17	Specimens of various type founts and printing.
LACARRIERE, A.	France : 9 Rue St. Elizabeth, Paris	Lustres, chandeliers, &c. ..	22	Lustres, sconces, chandeliers, metal lions.
LACARRIERE, A.	As above	Mutation of gilding ..	23	As above.
LACEY and PHILLIPS	America : Philadelphia ..	Case of harness ..	16	Harness.
LACHARPELLE and LEVARET	France : Rheims ..	Woolen yarns ..	12	Spinning. Samples of combed and carded woolen yarn.
LACHOUX and Son	France : Rouen ..	Fulling machine for cloth	6	Lithographic machine. Fulling machine for cloths.
LACHOUX, Brothers ..	France : Angoulême ..	Writing paper ..	17	Various sorts of stained and ornamental papers.
LADOUBEE, L. jeune	Belgium : Brussels ..	Saddlery and harness ..	16	Harness, saddles.
LADOUCHE, P. J.	France : 162 Palais National, Paris	Clock ..	23	Gilt bronze-mounted porcelain articles. Engraved and gilt crystals with similar mountings.
LAHURE, —	France : Havre ..	Iron life-boat ..	1	Non-capsizeable yawl.
LAILLER, E. H.	France : L'Hotelierie ..	Flax..	4	Heckled flax.
LAINE-LAROCHE and MAX-RICHARD	France : Angers ..	Hemp ..	4	Raw Angers hemp, combed hemp for power looms, hemp yarns for canvas warp and web, and sail canvas made of hemp, woven without sizing, for the navy of France.
LAING, J. and A.	Scotland : Dundee ..	Ducks, imitation Russia sheeting ..	14	Duck and sheeting.
LANE, J.	England : Newcastle-under-Lyne	Manufacture of pottery	17	Pottery tissue papers, and for printing china and earthenware from copper rollers and plates. Specimens of old rope from which the paper was manufactured.
LAMBERT and BUTLER	England : 141 & 142 Drury-lane	English cigars, manufactured from Havannah tobacco ..	3	Tobacco from America, Havannah, Holland.
LAMBERT and Co.	England : Bermondsey ..	A cottage piano-forte ..	10	
LAMBERT and Son ..	Ireland : Limerick ..	Waxed calf-skins, boot fronts, and cordovan ..	16	Wellington boot fronts. Grain and waxed calf-hides. Cordovan hides.
LAMBERT and BURY..	England : 256 Regent-st..	Limerick lace, shawl, and tunic dress ..	19	Lace : shaded lace flounce ; shawl ; and worked scarf in imitation of Valenciennes, and laces. Embroidered waistcoats. Masonic regalia. Epulettes and dessert centre in silver. Silver wine flagon. Soup tureen and stands. Italy glass cups after the antique.
LAMBERT, BROWN, & PATRICK	England : Coventry-st. ..	Epulettes and laces ..	19	
LAMBERT and RAWINGS	England : Coventry-st. ..	Vase ..	23	



DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
LAMBERT, T. . . . .	England : Lambeth . . . . .	Water-closet & diaphragm valve . . . . .	22	Diaphragm valve and stop cocks. High pressure ball or cistern valve. Self-closing valve cocks. Economic lamp. Hydrant water closet.
LAMBERTS, A., Christison . .	Prussia : Gladbach . . . . .	Cotton Kalmucks and beavers . . . . .	11	Specimens of brown cotton Kalmuck; black, green, buckskin, and mixture Kalmuck. Brown, black, and variegated beaver.
LANDAU, S. . . . .	Prussia : Coblenz and Andernach . . . . .	Lava mill-stones of Andernach . . . . .	1	Lava millstones, from the lava quarries of Nieder Mendig, near Andernach, on the Rhine. They can be procured as large as 6 feet in diameter, and 18 inches thick. The quarries are supposed to have been worked for twenty centuries.
LANDGRAFF, G. . . . .	Saxony : Hohenstein . . . . .	Women's single-thread cotton hose . . . . .	20	Women's single thread cotton hose.
LANDRON, Brothers . . . . .	France : Meung-sur-Loire . . . . .	Well-tanned sole-leather . . . . .	16	Leather made from the skins of different animals, natives of France and of Buenos Ayres.
LANE AND LEWIS . . . . .	England : Clifton . . . . .	Niche, and statue of St. Peter, in Queen stone . . . . .	27	Statue of St. Peter in canopied niche of Caen stone.
LANE, T. . . . .	England : Birmingham . . . . .	Paintings on pearl glass . . . . .	26	Articles chiefly in pearl glass, papier-maché table, work-table, cheval screen, pole-screens, reading-table, cabinets, chess-table, &c. Specimens of gem painting on glass.
LANG, J. . . . .	England : 7 Haymarket . . . . .	Double and single guns and pistols . . . . .	8	Guns, rifles, pistols, and revolvers. Walking-stick gun with rifle and shot barrels.
LANG, Johann . . . . .	Austria : Vienna . . . . .	Ginghams; design suited to French and German taste . . . . .	11	Fancy cotton goods.
LANG, G., heirs of . . . . .	Bavaria : Oberammergau . . . . .	Toys carved in wood . . . . .	28	Collection of ornaments and toys cut in wood, ivory, and alabaster.
LANGLOS, W., jun. . . . .	England : 9 Duke-st., Manchester square . . . . .	Light phaeton harness . . . . .	16	Light phaeton harness.
LANGVIN and Co. . . . .	France : Laferté Aleps . . . . .	Spun silks . . . . .	13	Floss silk threads of various qualities.
LANTEN and Co. . . . .	France : Rheims and Tinguex . . . . .	Barrage and woollen yarns . . . . .	16	Samples of dyed and undyed wool.
LAPEYRE and DOLEBEAU . . . .	France : Lyons . . . . .	Silk . . . . .	12	Figured silks. Damask stuffs and shawls.
LAPEYRE and DOLEBEAU . . . .	As above . . . . .	Damask reps, figured and Chingé shawls . . . . .	4	
LAPORTE, H. F. . . . .	Austria : Vienna . . . . .	Embroideries on several textures . . . . .	13	As above.
LAPWORTH, A. . . . .	England : Axminster . . . . .	Specimens of velvet pile carpets &c. . . . .	15	{ Embroidered scarfs and handkerchiefs, Mantillas, Scarfs. Velvet and cashmere shawls.
LARCHER, FAURE, and Co. . . .	France : St. Etienne . . . . .	Specimens of ribbons . . . . .	19	Axminster and patent carpets. Velvet pile and tapestry velvet carpets.
LARDINOS, N. C. . . . .	Belgium : Liege . . . . .	Target rifle, with accessories of every kind . . . . .	18	Silk ribbons.
LARSEN MONNICH, Count H. . . .	Austria : Karwin . . . . .	Wools . . . . .	8	Rifle with accessories, Swiss style, double-barrelled with accessories.
LAROCHE, E. . . . .	France : 10 Rue des Jeûneurs, Paris . . . . .	Designs for shawls, ba-reges, muslins, &c. . . . .	3	{ Manufactured designs for printing on tissues, made use of by various houses in France and abroad.
LAST, S. . . . .	England : 256 Oxford-st. . . . .	Railway portmanteau . . . . .	30	Railway portmanteau, divided into four compartments.
LATOUR, Albert de . . . . .	Belgium : Brussels . . . . .	Iron castings . . . . .	10	Cast-iron bust of the King of the Belgians. Cast-iron bust of the late Queen of the Belgians. Letter-boxes adopted by the Belgian Government.
LAUE, J. F. . . . .	Switzerland : Wildeg, Canton of Argovie . . . . .	Set of boring tools . . . . .	22	Boring apparatus for artesian wells.
			7	



# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES EXHIBITED.	Class.
LAUREAT, L. ..	France: 12 Rue St. Gilles au Marais, Paris ..	Figures in a galvanized compound of bronze and pewter	22
LAURENGOT, E. ..	France: 8 Rue Neuve-Bourg-l'Abbe, Paris ..	Painting and other brushes	28
LAURENT, Mme. Pauline	France: Sèvres ..	Three enamels on copper	30
LAURENT, F. ..	France: 5 Rue Chapon, Paris ..	Dressing and ornamental cases	29
LAUBET, Brothers ..	France: 19 Rue des Mauvaises Paroles, Paris ..	Embroidered silk hose of high quality	20
LAUREY, G. ..	France: 21 Rue Tronchet, Paris ..	Stove-grates and stoves (& special approbation)	22
LAVOIST, A. D. ..	France: 180 Rue Montmartre, Paris ..	Churn ..	9
LAWLER, J. ..	England: 30 Wyndham-st. America: Boston ..	Marble statue of a bather Tartans made from native wool	30
LAWRENCE, J., sen. ..	England: Colnbrook ..	Refrigerator, store-cask, &c.	15
LAWRENCE, M. M. ..	America: New York ..	Daguerreotype ..	10
LAWRENCE, T. B. ..	England: Lambeth ..	Perforated zinc ..	22
LAWSON, Alexander ..	Scotland: King's Kettle ..	Assortment of low-priced dowlas, hucks, sheeting, window-blinds, &c.	14
LAYCOCK and Sons ..	England: Sheffield ..	Horse-hair, damask, &c.	16
LAYDET and Co. ..	France: Niort ..	Case of gloves ..	20
LAZARE and LAGROIX	France: Avignon ..	Dye colours ..	4
LEA, W. and J. ..	England: Wolverhampton ..	Lock with bolts, &c.	22
LEACH, J. and Sons ..	England: 83 Wood-st. ..	Flannels ..	12
LEAL, F. M. C. ..	Portugal ..	Collection of oils, fixed and volatile	4
LEAROLD, J. E. ..	England: Huddersfield ..	Cassinetts of superior quality	15
LEAROLD, Wm. ..	As above ..	Cassinetts of novel and excellent quality	15
LEBRUN, J.A., jun. ..	France: 9 Boulevard du Temple, Paris ..	Chimney piece ..	27
LECHENE, Auguste ..	France: 37 & 30 Rue Fontaine, St. Georges, Paris ..	Carved frame in plaster	26
LECHENE, Auguste ..	As above ..	Two casts in plaster of a child protected from a snake by a dog ..	30

{ Five figures made of a galvanized compound metal of bronze and pewter, representing the Republic, Europe, Asia, Africa, and America. Brushes of all descriptions in ivory, bone, and buffalo-horn. Three enamels on copper. Dressing-cases, portfolios, liquor cellars, flower-stands, and other articles of cabinet-work. Stockings, gloves, and silk mittens. Scotch thread, silk poplin, and cashmeres. Various other articles. Galoifères in brass and cast-iron. Grates for chimneys. Fenders. Columns of various patterns. Various objects in bronze. Three chururs. A bather, statue in plaster. Shawls and cashmeres. Distributor, with six outlets. Refrigerator. Store cask or vat, with tinned-copper attemperating pan. Daguerreotypes. British zinc ores: zinc in ingots, sheets, and plates. Perforated sheet zinc, zinc nails, &c. Various manufactured articles. Dowlas, sheeting, huckaback, ducks, drills, and diapers. Plain satin and fancy hair seating in black and coloured damasks. Samples of curled hair. Raw materials. Chamois leather. Buckskin gloves. Beaver and chamois gloves. Thread, silk, and cotton kerchiefs. Flagon of garancine. Fasteners for sashes. Alarm bells. Gothic hinge. Handles for locks. Latches. Locks. Bolts. Flannels from English and Australian wools. Coatings, swanskin, gauze Saxony. Volatile oils of lavender, Romanine, Genevieve, and lemon. Citric and tartaric acid. Specimens of cashmere merinos for ladies' boot tops. As above. Mantelpieces for chimneys, carved in various styles. Pear-tree carved frame. Group: children and dogs.



DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
LECLERC, Brothers ..	France : Angers ..	Hemp and flax ..	4	Hemp in a raw state. Heckled hemp and flax ropes.
LECLERCQ, Augustin ..	Belgium : Brussels ..	Chimney-piece ..	27	White and black marble chimney-pieces. Basin.
LECOCQ, H. ..	France : Rue de France, Bourgeois au Marais, Paris ..	Ornaments in stamped brass ; hot-air stoves ..	22	Mosaic square, composed of Belgian marble. Frames of ornaments in stamped brass, hot-air stoves, and various apparatus for warming houses.
LE CONTEUR, Col. ..	Jersey ..	A series of wheats.. ..	3	Specimens of wheat, grown in the Island of Jersey.
LECOULTRE, A. ..	Switzerland : Sentier, Canton of Vaud ..	Watches, watch-movements, and pinions ..	10b	Packet chronometers. Watch movements and pinions.
LEE, J. ..	England : 103 Long Acre ..	Wheels, axles, and railway breaks ..	5	Wheels and axles. Breaks and axle-box.
LEMAUX, J. ..	Switzerland : Zurich ..	Model of Strasburg Cathedral ..	7	Model in relief of the Cathedral of Strasburg, executed with a pen-knife in card-paper, by a working bookbinder, who was employed on it incessantly for three years.
LEEMPOEL, VAN DE COLMET, and Co. ..	France : Quinquengrogné, near Chapelle ..	Bottle glass.. ..	24	Large and small sized bottles for all kinds of purposes.
LEES, R. and Co. ..	England : 36 King-street, Cheap-side ..	Printed mohair velvet ..	19	Printed mohair tapestry. Utrecht mohair velvet, mohair velvets, printed Chinese velvets of mohair.
LEES, R. and G. ..	Scotland : Galashiels ..	Specimens of tartan plaids ..	15	Plaids, shawls, and cloakings.
LEESON, Dr. H. B. ..	England : Greenwich ..	Exhibition of crystals ..	10	Models, crystalline minerals, and engravings, illustrative of his system of crystallography.
LEFACHEUX, — ..	France : 37 Rue Vivienne, Paris ..	Carbine mounting ..	2	Lamps.
LEFEBRE, T. and Co. ..	France : Moulins-Lille, ..	White lead ..	22	Small wire nails, called pin-nails. Nails for shoes, called becquets.
LEFEBRE, V. and Co. ..	Belgium : Cherq-lez-Tournai ..	Wire nails and rivets ..	22	Iron pegs. Iron nails for glaziers. Rivets : iron and brass.
LEFEBURE, A. ..	France : Bayeux ..	White thread lace counterpane, &c. ..	19	Thread lace counterpane. Alençon lace scarf and lappets, shawl, point scarf, veil, and black silk lace founcées, black silk blonde mantle.
LEFEBURE, J. P. ..	France : 14 Rue du Paradis, Poissouinière, Paris ..	Invention for making boots and shoes ..	20	Ladies' and gentlemen's screw shoes.
LEFEBURNE, Ducatleau ..	France : Roubaix ..	Vestings ..	15	Figured woollen textures for waistcoats. Fancy articles.
LEFEVRE, Elizée ..	France : Gévrolles ..	Wools ..	4	Wool in tufts.
LEFORT, — sen. ..	France : 12 Rue Manconsiel, Paris ..	Materials for flowers ..	29	Artificial flowers and fruits.
LEGOFF, — ..	France ..	Excellent system of stopping chain-cables ..	8	Chain cable.
LAHRIND, FALLENROTH, & Co. ..	Prussia : Haspe, near Hagen ..	Steel ..	1	Roller corps of steel produced from German steel, bars of puddling and refined steel, waggon axle of refined steel.
LEIGHTON, J. and J. ..	England : 40 Brewer-street, Golden-square ..	Bookbinding in various stages, and for the restoration of fac similes of missing pages to valuable works ..	17	Specimens of bookbinding and processes. Imitation of old printing.
LEIPSIK SPINNING COMPANY..	Saxony : Pfaffendorf ..	Merino yarns ..	12	Illustrations of the process of worsted spinning, from the raw wool up to the finest yarn. Specimens of worsted yarns of different numbers.
LEISTNER, G. L. ..	France : 43 Rue de Chaillot, Paris ..	Perfumery ..	29	Perfumery, tooth-powder.



NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
LEITENBERGER, F. . . .	Austria : Cosmanos . . . .	Printed calicos . . . .	18	Plain and variously coloured cotton prints, printed by cylinder, hand, or perrotine. Coloured jaconets, cambrics, muslins, and printed shirtings.
LE LUYERE, H. . . .	England : Cleveland-street, Mile-end-road . . . .	Stein-dyed black silk . . . .	18	Specimens of black dyed silk.
LEMAIRE, DESCHAMPS, and PLISSART . . . .	Belgium : Tourmay . . . .	Specimens of pantalon stuffs . . . .	15	Stuff for trousers.
LEMANN, J. and Son . . . .	Austria : Vienna . . . .	Brocatelle embroidered in gold and silver; also broché gold on chenille and velvet grounds . . . .	13	Tapestry. Ecclesiastical brocades. Ecclesiastical vestments, richly embroidered with gold, silver, and imitation metal, on silk and chenille.
LE MARE and Son . . . .	England : 27 Spital-square . . . .	Black and coloured velvets, satins, moiré, and glacé silks . . . .	13	Black and coloured satinette, woven by hand and power loom. Black ducape, watered, black coloured velvet.
LEMERCIER, R. J. . . .	France : 57 Rue de Seine, Paris . . . .	Lithography and chromolithography . . . .	30	Frames, with engravings.
LE MUE and Son . . . .	France : Lyons . . . .	Figured silks, with their newest styles in Lampas, Damask, brocatelle, and embroidery . . . .	13	Silk stuffs for furniture and church ornaments. Velvets, damasks, brocades.
LEMONIER and Co. . . .	France : 1 Rue de Coq St. Honoré, Paris . . . .	Ornamental hair work . . . .	16	Various trinkets set with hair ornaments.
LENEISE AUSTRALIAN COMPANY	Spain : Asturias . . . .	Iron and steel . . . .	1	Specimens of steel.
LEONHARDT, J. E. . . .	Prussia : Berlin . . . .	Type-founding machine . . . .	6	Type-founding machine, a new invention. Zinc or copper moulds may be employed.
LEOPOLD, Bernard . . . .	France : Passy . . . .	Double and single barrels of Damasque workmanship . . . .	8	Damasque gun and pistol barrels.
LEPAGE, — . . . .	Belgium : Liege . . . .	Numerous collection of sporting and trade guns . . . .	8	Complete collection of fire-arms. Double-barrelled guns, rifles, holster pistols, duelling pistols, pocket pistols.
LEPAGE, Moutier . . . .	France : 11 Rue Richelieu, Paris . . . .	Sporting guns; ornamental arms : sword and side-arms of De Luyne; Damasque of remarkable novelty . . . .	8	Guns, carbines, pistols, swords, &c. Damasque sword blades, and [shields].
LEPELLETIER, — . . . .	Algeria : Fondouck . . . .	Soft wheat . . . .	3	Soft wheat, 1856.
LEPONT, T. . . .	Tuscany : Modigliana . . . .	Silk . . . .	4	Raw silk from the exhibitor's spinning mills.
LEQUESNE, E. L. . . .	France : 3 Chaussée des Minimes, Paris . . . .	The dancing faun, in bronzes, &c. . . .	30	The dancing faun, in bronze.
LEROLIE, Brothers . . . .	France : Villy le François . . . .	Salicine . . . .	23	Bronze clock, chandeliers, cups, lamps.
LEROUX, — . . . .	England : Bedford . . . .	Wide white-thread lace . . . .	19	Bark of willow tree. Salicine, its active principle. Specimens of Bedfordshire pillow lace. Improved lace fall-piece. White and black trimming and flouncing lace.
LESTER, T. . . .	England : 118 Rue du Temple, Paris . . . .	Fire-engine . . . .	5	Engines.
LETETZ, — . . . .	England : 38 Piccadilly . . . .	Dressing-cases . . . .	23	Lady's dressing-case of walnut wood, mounted in the mediæval style, in pierced solid silver, &c. Gentlemen's dressing-case. Travelling
LEUCHARS, W. . . .	Switzerland : Matwil, Canton of Thurgovie . . . .	Specimens of Turkey-red . . . .	11	Turkey-red and rose-dyed cotton yarns of different numbers.



DESCRIPTION OF ARTICLES EXHIBITED.

ARTICLES REWARDED.

LOCALITY.

NAME.

Class.

LEUNENSHLOSS, M...	France: Rouen	India-rubber braid	28	Braces and trimmings for tailors, &c, for ladies' dresses.
LEVES, J. and J.	England: 13 Sisc-lane	Specimens of vellum and parchment for book-binding, &c	16	{ Writing, drawing, and binding vellum. Drum and tambourine heads, and parchment.
LEVYKAS, C...	Prussia: Wormelskirchen	Ultramarine	2	Different sorts of ultramarine.
LEVYK, Brothers, and Co.	France: 76 Rue des Fossés du Temple, Paris	Mountings ..	23	Ornamented bronzed and porcelain clocks of various kinds, vases, cups, chandeliers,
LEWIS, F. and Sons.	England: Manchester	Wheel-cutting engine and roving spindle ..	6	Wheel cutting and dividing engine. Model of Mac Lardy's roving and slab spindle.
Lewis, Mrs. C.	England: Duke-street, St. James's	Bookbinding	17	Specimens of bookbinding.
LIENART-CHIFFAUX, Mme.	Belgium: Tournay	Specimens of pantaloons stuff	15	Stuff for trousers.
LIMELETTE, F.	Belgium: Gosselies	Wrought nails	22	Samples of wrought-iron nails.
LIMBEN, Duke	United Kingdom	Variety of designs..	30	Variety of designs.
LIMOGES, D.	Canada: Terrebonne	White peas..	3	Barrel of peas.
LINDENBERG, J.	Cape of Good Hope: Worcester District	Vegetable wax ..	4	Specimens of berry-wax, specimens of bees-wax.
Lion, Brothers, and Co.	France: 9 Place des Petits, Peres, Paris	Collection of shawls	15	Brocaded woollen or cashmere scarf, and square shawls.
LISEON WEAVING COMPANY	Portugal	Cotton blankets and shawls	11	Cotton shawls.
LISINSK FOREST INSTITUTION	Russia: St. Petersburg.	Birch, oil, turpentine, &c	4	Superior fly-fishing rod. Improved cane boat or punt rod.
LITTLE, G. and Co.	England: 15 Fetter-lane	Fishing tackle ..	29	rods, winches, fly and dubbing books, with tackle and flies.
LITTLE, Mary Ann.	England: Morton Abbey, Surrey	Printed silk handkerchiefs	18	British Barege shawls and twilled bandanas, wax and chintz print.
LIVERPOOL LOCAL COMMITTEE	England: Liverpool	Model of Liverpool	30	Model of the docks and port of five miles, exhibiting a river funnel, all manufactured from sheep's wool.
LOED, W. and Co.	Wales: Newtown, Montgomery	Welch Flannels ..	12	Specimens of Welch funnel, all manufactured from sheep's wool.
LOED and SUMNERFIELD	England: Birmingham	Cut glass ..	24	Table and dessert service of cut and engraved glass, &c. Illustrations of flint glass manufacture.
LOED, G.	England: Southwark	Blowing machine ..	5	Centrifugal disc blowing machine.
LOED, Lt.-Col. J. A.	United Kingdom	Storm indicator, a typho-deictor	10	Typhodector, or storm pointer; an instrument for obtaining, by inspection, the bearing and relative position of a revolving storm, or hurricane, constructed in accordance with the theory, commonly called the Law of Storms.
LOED, G. B..	England: Birmingham	Iron lap-welded tubes for steam boilers	22	Lap-welded iron tubes for steam boilers; the same with fittings for conveying gas and water, and for hydraulic presses.
LOCKWOOD and KEIGHTLEY.	England: Huddersfield	Woollen cloths and velveteens	12	Woollen cords, velvet and leather cloths, chiefly for trousers.
LOCOC-BREYILLE, —	France: 50 52 & 53 Passage du Saumon ..	Assorted habit kid gloves	20	Kid gloves of various colours.
LOHSE, E.	Saxony: Chemnitz	Damask goods made with worsted and cotton, and worsted and silk..	12	Damasks for furniture in half silk, all silk, half wool and cotton, named Valentin, imperial, gobelin, berakam, president, rips, &c., foulard lustrine, half silk; plain and figured cotton camelous; figured gingham, table covers and bed covers of half-silk, half wool, and cotton damask. Glazed gingham; cravats, cotton jaconet; atlas, and half silk satin.



# DESCRIPTION OF ARTICLES EXHIBITED.

## ARTICLES REWARDED.

### LOCALITY.

#### NAME.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
LORAGNER, —	France: Rue St. Hyppolyte, Paris	Specimens of leather	16	Dressed calf, kid, lamb, and sheep-skins.
LORO, J.	Sardinia: Genoa..	Fillagree	23	Works in silver fillagree. Column ornamented with emblems in- tended to celebrate the era of the Great Exhibition of 1851.
LOMAS, J. and Sons..	England: Birkewell ..	Chimney-piece of black Derbyshire marble, in- troducing inlaid work in marble..	27	{ Pedestals of Derbyshire marbles. Chimney-piece of Derbyshire black marble, the frieze inlaid.
LOSCKE-HAEZL, C. L.	Belgium: Roulers ..	Brushes ..	23	Brushes for clothes, hair, hats, sweeping, and other purposes.
LONDON MARBLE AND STONE WORKING COMPANY	England: Westminster ..	Various articles in sculp- tured marble ..	27	{ Grecian column chimney-piece, and hexagon and octagon Gothic fonts, of white Carrara marble. Model of a bracketed staircase worked and polished by the company's machinery.
LONG, George ..	England: Loudwater, Wycombe	Hats and bonnets made on the pillow-lace principle	20	Hats and bonnets made upon a lace pillow.
LOXEDEN and Sons ..	England: Sheffield ..	Cooking apparatus ..	22	Improved cooking apparatus. Ornamental warm-air gas stove. Speci- men stair balusters, &c. Gallery front for entrance hall, &c. Per- forated pedestals for hot-water pipes.
LORING, G. ..	America: Massachusetts	Water pails..	28	Water pails.
LOTIC, P. M. ..	France: 139 Rue St. Honoré, Paris	Bookbinding ..	17	Various publications. Fancy book-binding.
LOSEBY, E. T. ..	England: Islington ..	Compensated balance ..	10b	Mercurial compensation balance, and exhibiting four modifications. An arc compensation. Improved form of mercurial pendulum.
LOUDERBACK, M. J. ..	America: Cincinnati ..	Preserved peaches ..	29	Specimen of preserved peaches.
LOULE, Marquis de ..	Portugal ..	Collection of woods ..	4	Woods of various trees, viz: pine, plum, filbert, wild olive, chesnut, cork, holm, poplar, oak, mulberry, olive, pine, beech, ash, cherry, cypress, wild pine, elm, mulberry, plantain, white acacia, walnut, orange, box, and crataegus azarolus.
LOVE, J. ..	Scotland: Glasgow ..	Gas stoves ..	22	Gas machines for heating, grate, and lighting hotels and taverns, &c. Newly constructed grate. Machine for generating gas, and illuminating locomotive engines and carriages.
LOVE, J. and H. ..	England: Birmingham ..	Carriage lamps, &c	22	Carriage lamps, and saddler's ironmongery.
LOWELL MACHINE SHOP	America: Massachusetts	Self-acting lute and power-loom ..	6	Power loom lathe, dresser, brush.
Lot, William ..	England: 24 King-street, Whitehall	Skates ..	21	Club skates, ladies' skates.
Lot, W. T. Jun. ..	Prussia: 60 St. Martin's-lane	Outlery ..	21	Razors, carving knives and forks, and other articles of cutlery.
LUKEWITZ, E. ..	France: Bazancourt	Wool..	4	Specimens of wool.
LUCAS, Brothers ..	France: 19 Place de l'Ecole de Medecine, Paris	Merino yarns	12	Specimens of spun yarn and merinos.
LUX, A. ..		Collection, and the great ingenuity and admirable workmanship of several instruments for opera- tions on the eye..	10c	Surgical instruments.
LUHM, J. F. and Co. ..	Prussia: Knightsbridge ..	Chemical apparatus ..	10	Chemical apparatus.
LUMDEN, Miss J. ..	England: Dublin ..	Chemical apparatus ..	29	Tableau of flowers, modelled in wax, festooned with acorns and leaves.
LUDWIG and Co. ..	Prussia: Düsseldorf, nr. Oppeln	Stuffs ..	3	Stuff, made solely from the leaf and bark of the oak, cultivated at Silesia.
LUDWIG, Baron Von		Stuffs ..	4	Specimens of wool from the flock of the exhibition.



DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
Loring, Brothers Lorenz, Economical Society of the Isle of.	Prussia : Gotthus .. Spain : Lizon .. France : Lyons ..	Woolen cloths .. .. Cigar cases .. .. Assortment of fancy silks	12 28 13	Mulberry, olive, and black cloths. (An apron ; handkerchiefs ; camisets ; collars and cuffs, embroidered. Dresses and shawls, with checks and stripes, woven with Juss. Cigar cases. Crown of a hat made of the filaments of Benjuco. Assortment of fancy silks.
LYONS, Chamber of Commerce				
M MacARTHUR, Col. ..	New South Wales..	Collection of woods ..	4	Case, containing 132 specimens of Merino wool, derived from the late Mr. MacArthur's original flock. In 1837 the first importation into England of this wool was 245 lbs. In 1848 it was 23,000,000 lbs. from New South Wales alone (valued at more than £1,200,000); and from the whole of the Australian colonies 36,000,000 lbs.—Four vials, in New South Wales, one being of Camden (46 miles S.W. of Sydney), the original seat of Australian sheep husbandry, and now becoming celebrated for its vineyards.
M Mac CLELLAND, Dr. ....	India .. ..	Isinglass from the <i>Poly- rhamnus plicata</i> ..	3	Specimen of isinglass.
MACDONALD, D. and J. & Co.	Scotland : Glasgow ..	Embroidered muslin, robe, cap, and basinet ..	19	{ Embroidery on book-muslin, &c. Embroidered French cambric. Em- broidered baby-linen. Embroidered trimmings, insertions, flounces.
Mac DONALD and LESLIE ..	Scotland : Aberdeen ..	Granite vases, pedestal, &c	27	Granite vases, pedestals, and a slab for table-top.
Mac DONALD, Major C. ..	United Kingdom ..	Collection of turquoises ..	1	A large series of turquoises in the matrix, in unpolished fragments, and manufactured into various ornaments.
MACDONALD, Lawrence ..	Rome .. ..	Ionic statue, in marble ..	30	Ionic statue, in marble, six feet high and three feet diameter.
MACDOWELL, F. ....	— .. ..	Cupid, in marble, and Eve in plaster ; girl in prayer, in marble .. ..	30 2	Cupid, statue in marble. Eve, a model. Girl praying. Series illustrative of the manufacture of the salts of morphia. Specimens of gallic and tannic acids. Specimens of sulphate of bebetine and its alkaloid.
MAC FARLAN, J. F. and Co.	Scotland : Edinburgh ..	Chemical products ..	2	
MACFARLANE, G. ....	England : 85 Newman-st.	An improved cornet-a- piston .. ..	10a	{ Improv'd cornetop (cornet-a-piston), with short action valves, direct-passage of the air, and played with ease.
MAC GREGOR, J. W. ..	Scotland : Glasgow ..	Casks .. ..	28	Ship's harness cask, brass hooped and mounted. Deck buckets, &c. Imperial bushel measures, 1 ten-gallon cask, made out of red oak staves prepared with melted tallow.
MACGILL, T. ....	England : Carlisle-st., Soho-sq.	Saw, or Osteome ..	10c	Improved method of raising fluids. Surgical instruments.
MAC HENRY, — ..	Borneo .. ..	Coffee .. ..	3	Coffee.
MACKENZIE, Brothers ..	India : Madras ..	Silks .. ..	3	Silks.
MAC KILGAM, J. ....	Scotland : Piperhill, Cawdor	White wheat ..	3	Perennial rye-grass seeds. Samples of white wheat.
MACLEOD, W. W. ....	America : Charleston ..	Cotton .. ..	3	Specimens of Sea Island cotton.
MAC NAB, — ..	India : Surdah ..	Indigo .. ..	4	Indigo.
MAC NAB, W. ....	India : — ..	Silks .. ..	4	Silks.
MAC NAUGHTEN, — ..	Van Diemen's Land ..	Woods .. ..	4	Muskwood of Van Diemen's Land.
MAC PHERSON and FRANCIS	Van Diemen's Land ..	Wheat .. ..	3	Wheat.
MADEB, Brothers ..	France : 1 Rue de Montreuil, Paris	Paper hangings ..	26	Stained hanging-paper.
MADRAS POTTERY ..	India .. ..	Terra-cotta ..	24	Terra-cotta articles.



DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
MADRID, the Cabinet Botanical Garden of..	Spain : Madrid ..	Collection of Cuba woods	3	Collection of specimens of woods employed in the island of Cuba, for construction and other purposes.
MARS, J. ..	France ..	Prism of zinc glass	10	Prism of zinc glass.
MAGNIN, J. V. ..	France : Clermont Ferrand ..	Maccaroni, vermicelli, and hard wheat of Auvergne..	3	{ French alimentary pastes, named <i>pâtes d'Italie</i> , and flours. Specimens of hard red wheat.
MAGNUS, G. E. ..	England : Pimlico ..	Enamelled slate ..	27	Manufactures in slate. Enamelled slate, representing various marbles inlaid after Florentine mosaic.
MAHILLON, C. ..	Belgium : Brussels ..	Clarionets, and a trombone and ophicleide ..	10a	Counter-bass, violoncello, bugles ; bass ophicleide, trombone, horn, trumpets, bugle-horn, clarionets.
MAILLE and SECOND..	France : 14 Rue St.-André-des-Arts, Paris ..	Wine vinegar aromatized	3	Vinegar. Mustards. Fruits preserved in vinegar.
MAIR, J., Son, and Co. ..	Scotland : Glasgow ..	Cheap window curtains by a new arrangement of the Jacquard loom ..	11	Muslin window-curtains. Leno window-curtains ; and muslin dresses figured in the loom. Muslin made from cotton yarn, believed to be the finest ever made. Scotch needle and tambour work. Printed flannels, twilled bandannas, and cambric handkerchiefs.
MAIR, J., Son, and Co. ..	England : 60 Friday-st. ..	Three muslin robes	19	As above.
MAJOR and GILL ..	England : Manchester ..	Loom-made double coutils and nankeens for corsets	11	{ Double coutils and nankeen for stays, consisting of two cloths, woven together, and stitched during weaving.
MAKIN, W. ..	England : Sheffield ..	Rag knives ..	21	Paper-mill, rag-engine, roller-bars, and bottom-plates, for grinding ropes, rags, and other materials into pulp. Knives for rope and rag-cutting machines. Tobacco and snuff knives. Millers' best refined cast steel chisels and picks, &c. Samples of steel used in the various branches of the manufactures of Sheffield.
MALAPANE, Royal Foundry at	Prussia : Malapane, near Opeln	Zinc ..	1	Pair of hard cast-iron cylinders. Samples of ores and other materials and products derived from them by charcoal furnaces at the Royal Iron Works, at Malapane. Red and white calamine from the mines at Scharley, and the Calamine Works, near Beuthen, in High Silesia. Zinc in drops ; white zinc (oxide of zinc) ; cadmium (metal.)
MALATINZKY, E. ..	Austria : Miskolz..	Richly embroidered overcoats, &c..	20	Hungarian national dresses, called Szálr.
MALLAT, J. B. ..	France : 5 Rue Neuve St. François, Paris ..	Metallic gilt pens, &c..	22	Mechanical clock. Hoop dancer.
MALLET and BARTON ..	England : Nottingham ..	Imitation black trimming laces, &c ..	19	{ Silk lace. Silk lace fringes. Imitation Valenciennes. Cotton laces, hand and machine-wrought.
MALLET, Brothers ..	France : Calais ..	Specimens of Valenciennes lace and lappets..	19	Calais Valenciennes, made by machinery. Model of a lace-machine.
MALLET, — (of Messrs. Vantroyen and Mallet)	France : Lille ..	Yarns ..	11	Cotton-yarn for muslins. Water-twist glazed for lace and bobbinet. Dyed and bleached yarns, glazed yarn, (imitation of silk).
MAID, Dickson, and Co. ..	France : Coudekerque Branch, near Dunkerque ..	Canvas ..	14	Flax spinning mills, and manufacture of canvas for sails. Sail-cloth for merchant vessels and men-of-war.
MAIR and Co. ..	France : Tours ..	Printing and bookbinding Mortar apparatus for saving life from drowning, with a line attached over a vessel, which on shore.	17	Various illustrated works, bound or half-bound.
MASBY, Capt. G. W. (representatives of)	England : Great Yarmouth ..		8	Life-boat and mortar apparatus.



DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	
ANLOVE, ALLOTT, & SEYRIC	England : Nottingham ..	Centrifugal washing and drying machine. ..	6	{ Centrifugal machines for washing and drying clothes ; for drying starch, &c., and purifying sugar. Files, screws, and steel. Prime Siegen rough steel, manufactured in [Remscheid. Ornamental stoneware. Samples of the processes followed in the mining works for obtaining copper and silver. Samples of Natal cotton. Assortment of cutlery, including spoons and pocket knives ; pen-making machines, gardeners' knives, table cutlery, razors and scissors in great variety. Chimney-pieces, grates, fire-irons, &c. Brown's economical cooking apparatus. Open fire cooking range. Scales, weighing-machines, iron bedsteads, &c. Stocks and dies for iron gas tubing, and for engineers' and whitesmiths' work. Model of a steam-engine furnace, with Bedington's patent smoke consumer. Mosaic table, carved ; work-table, book-case, Mosaic flooring, Mosaic backgammon board, vase, mounted with sphere. Gilt bronze candelabras and pendulums, with marble pedestals. Instruments for the blind. Frame for a glass plate, in wood, carved by the exhibitor.
MANNESMANN, A. ..	Prussia : Remscheid ..	Files .. ..	21	
MANFARD, M. ..	France : 93 Rue Richelieu, Paris ..	Stoneware .. ..	25	
MANFELD, the Combined Mining Works of..	Prussia .. ..	Copper and copper smelting .. ..	4	
MANTZ, C. ..	Cape of Good Hope : Cape Town ..	Cotton .. ..	1	
MARTIN and Brothers	England : Sheffield .. ..	Cutlery .. ..	21	1. Model of Her Majesty's iron screw steam-yatch Fairy. 2. Models of iron steam vessels built for the Emperor of Russia, and the Viceroy of Egypt. Painted window glasses : 1. St. Charles administering the communion to the plague-stricken. 2. A burgomaster. 3. A rose of the 13th century. Machine for mincing and mixing meats, soaps, pastes, and vegetables. Sculptured baptismal font in Caen stone. Embroidered Pinè muslin dress, manufactured from the fibre of the pine-apple. Spa-wood table, work-box, tea-chest. Epithems for medical, surgical, and veterinary purposes. Impermeable Spongia-piline, for applying heated fluids to the body, in lieu of poultices and fomentations. Water dressing, and plume. Superfine broad-cloth, wool-dyed, woaded black, &c., superfine doe-skin and cassimere. Wrought-iron fire-proof strong room, with double chamber wheel-action detector lock.
MAPLEBEACH and LOWE	England : Birmingham ..	Cooking apparatus .. ..	22	
MARCELIN, —	France : 40 Rue Basse-du-Ram-part, Paris ..	Inlaid mosaic table .. ..	26	1. Model of Her Majesty's iron screw steam-yatch Fairy. 2. Models of iron steam vessels built for the Emperor of Russia, and the Viceroy of Egypt. Painted window glasses : 1. St. Charles administering the communion to the plague-stricken. 2. A burgomaster. 3. A rose of the 13th century. Machine for mincing and mixing meats, soaps, pastes, and vegetables. Sculptured baptismal font in Caen stone. Embroidered Pinè muslin dress, manufactured from the fibre of the pine-apple. Spa-wood table, work-box, tea-chest. Epithems for medical, surgical, and veterinary purposes. Impermeable Spongia-piline, for applying heated fluids to the body, in lieu of poultices and fomentations. Water dressing, and plume. Superfine broad-cloth, wool-dyed, woaded black, &c., superfine doe-skin and cassimere. Wrought-iron fire-proof strong room, with double chamber wheel-action detector lock.
MARCHANT, J. B. ..	France : 57 Rue Richelieu, Paris ..	Bronzes, various (and special approbation) ..	22	
MARCHEST, G. B. ..	Austria .. ..	Instruments for the blind ..	10	
MARCHETTI, L. ..	Tuscany : Siena .. ..	Carved frame .. ..	26	
MARE, C. J. and Co.	England : Blackwall .. ..	Models of sailing and steam vessels, both paddle and screw ; ditto of yachts, designed and built, for various merchant services .. ..	30	1. Model of Her Majesty's iron screw steam-yatch Fairy. 2. Models of iron steam vessels built for the Emperor of Russia, and the Viceroy of Egypt. Painted window glasses : 1. St. Charles administering the communion to the plague-stricken. 2. A burgomaster. 3. A rose of the 13th century. Machine for mincing and mixing meats, soaps, pastes, and vegetables. Sculptured baptismal font in Caen stone. Embroidered Pinè muslin dress, manufactured from the fibre of the pine-apple. Spa-wood table, work-box, tea-chest. Epithems for medical, surgical, and veterinary purposes. Impermeable Spongia-piline, for applying heated fluids to the body, in lieu of poultices and fomentations. Water dressing, and plume. Superfine broad-cloth, wool-dyed, woaded black, &c., superfine doe-skin and cassimere. Wrought-iron fire-proof strong room, with double chamber wheel-action detector lock.
MARECHAL and GUYTON	France : Metz .. ..	Painting on glass .. ..	30	
MARESCAL, J. ..	France : 82 Rue du Faubourg St. Martin, Paris ..	Machine for mincing meat ..	6	
MARGGETTS, T. K. & EYLES, H.	England : Oxford .. ..	Font in Caen stone .. ..	27	
MARGUERITE, SIGNORA	Spain : Manilla .. ..	A dress of fibre from the pine-apple .. ..	19	
MARIN, J. E. ..	Belgium : Spa .. ..	Spa-wood boxes .. ..	28	1. Model of Her Majesty's iron screw steam-yatch Fairy. 2. Models of iron steam vessels built for the Emperor of Russia, and the Viceroy of Egypt. Painted window glasses : 1. St. Charles administering the communion to the plague-stricken. 2. A burgomaster. 3. A rose of the 13th century. Machine for mincing and mixing meats, soaps, pastes, and vegetables. Sculptured baptismal font in Caen stone. Embroidered Pinè muslin dress, manufactured from the fibre of the pine-apple. Spa-wood table, work-box, tea-chest. Epithems for medical, surgical, and veterinary purposes. Impermeable Spongia-piline, for applying heated fluids to the body, in lieu of poultices and fomentations. Water dressing, and plume. Superfine broad-cloth, wool-dyed, woaded black, &c., superfine doe-skin and cassimere. Wrought-iron fire-proof strong room, with double chamber wheel-action detector lock.
MARWICK, M. ..	England : 32 King William-st. ..	Spongio-piline fabric .. ..	4	
MARLING, S. S. and Son	England : Stroud .. ..	Woollen cloths .. ..	12	
MARR, W. ..	England : 59 Cheapside .. ..	Safes.. ..	22	



# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
MASSEAN, J. P. . . . .	England: Birmingham . . .	Naval brass works	22	Specimens of bronzed scroll ornaments. Naval brass foundry, consisting of ship-scuttles. Glass deck lights. Gun-hole screw valves. Ordnance metal pulleys with anti-friction rollers.
MARROTT, W. . . . .	England: 88 Fleet-st. . . .	Weighing machine	22	Platform weighing machine, showing the weight of various European countries; dial weighing machine, domestic telegraph.
MARSAUX and LEBRAND . .	France: 14 Rue de la Perle, Paris	Stamped copper for decoration	22	Articles of stamped copper for decoration.
MARSDEN, Brothers, and Co.	England: Sheffield . . . . .	Joiner's tools	21	Royal Albert and other skates. Joiners', carpenters', and cabinet-makers' tools, of the best manufacture. Botanical and horticultural tools.
MARSHALL and Co. . . . .	England: Leeds . . . . .	Preparation of China grass	14	China grass and Courtaul flax, dressed and manufactured.
MARSHALL, E. S. . . . .	England: 31 John-st., Tottenham	Gold leaf	23	{ Gold-leaf and dentists' gold-leaf, various. Illustrations of the malleability of the various metals. Goldbeaters'-skin.
MARSHALL, E. . . . .	Canada: Court-road . . . . .	Dinner mats	28	Dinner mats.
MARSHALL, W. C. . . . .	England: 47 Ebury-st., Finsbury	Sabrina, in marble	30	Sabrina, from Milton's Comus.
MARTIN, W. and Son . . . .	England: Bolton . . . . .	Furniture dimities	11	Damask, dined and plain furniture dimity.
MARTIN and CASMIR . . . .	France: Tarare and Metz . .	Black silk plush	13	Silk plush for gentlemen's hats.
MARTIN and GRAY . . . . .	England: Birmingham . . .	Carriage lamps	22	Gas chandelier, finished in gold colour and artistic bronze. Pattern finished in artistic bronze & gold colour relief. Gas brackets. Carriage lamps.
MARTIN, Stephen . . . . .	England: Sheffield . . . . .	Razors	21	Specimens of various kinds of razors, manufactured from Sheffield steel.
MARTIN, M. C. . . . .	Prussia: Cologne . . . . .	Eau de Cologne and Melissa water	30	Eau de Cologne. Carmelite spirit of Melissa.
MARTINEZ, P. . . . .	Spain: Valencia . . . . .	Hemp	4	Samples of hemp cordage, thread for sail-making, sail-cloth, and cotton-stuff.
MARX and WERGERT. . . . .	Prussia: Berlin . . . . .	Utrecht velvet and shawls	15	Cashmere shawls in sundry colours and designs. Mohair, woollen, and cotton velvets.
MARYLAND, the State of . .	America: . . . . .	Collection of produce	4	Cabinet made of Maryland woods.
MASSE, V. TRIBOUILLET, & Co.	France: Neuilly-sur-Seine . .	Stearic candles by the process of distillation, and fat acids recovered from waste lyes	29	Stearic acids; wax candles.
MASSEY, W., and Co. . . . .	England: 58 Baker-st. . . .	Brass flower stand	22	Stands for flowers, of different sizes, made of brass, by hand.
MASSEZ, — . . . . .	France: 24 Rue Aubrey-le-Boucher, Paris	{ Excellence of production of boots and shoes	20	Boots, and shoes, buskins, and slippers.
MASSING, Brothers, HUBERT, and Co. . . . .	France: Lutetange, Lyons, and Tarare . . . . .	Assortment of black silk plush	13	Silk plush, made use of by hat-makers.
MASSUE, L. J. . . . .	France: 3 Rue Aumaire, Paris	Ivory combs	29	Ivory combs of every description.
MASTERS, T. . . . .	England: 309 Regent-st. . .	Ice apparatus	22	Freezing, heating, and cooling apparatus. Knife-cleaning and aerating machines. Anti-corrosive self-acting taps.
MATHES and WEBER. . . . .	Prussia: Duisburg-sur-Rhine .	Chemicals, &c. . . . .	2	Muriatic acid exempt from iron and sulphurous acid. Bleaching powder. Sulphate of soda. Soda crystals, soda ash, carbonate of soda, caustic, soda.
MATHEVON and BOURVARD . .	France: Lyons . . . . .	Specimens of rich silks	13	Figured silks, for upholstery, dresses, and waistcoats.
MATHEY and Son . . . . .	Switzerland: Locle, Canton of Neuchâtel . . . . .	Cylinder of rolled steel for watch springs	22	A cylinder of rolled steel for watch-springs.



NAME			LOCALITY		ARTICLES REWARDED		CLASS		DESCRIPTION OF ARTICLES EXHIBED	
MATHIESON and Son	..	..	Scotland : Glasgow	..	Jeweller's tools	..	21	..	Assortment of braces and bits. Plansorte maker's key-tools : turning and carving tools, &c. Fit ploughs. Sash and side fillisters.	
MATHIEU, Robert	..	..	France : St. Petersburg	..	Merinoes	..	12	..	Merinoes, in lumps, and stearine candles.	
MATSEN, A. and Co.	..	..	France : St. Petersburg	..	Stearic candles	..	29	..	Stearine for lanterns requiring the aid of heat. Inhaler, for administering chloroform in surgical operations. Inhaler, for hydro-cyanic acid, conical, &c. Improved stethoscope. Specula for the eye, &c. Gilbert's patent falcrum and chair, for extracting teeth.	
MATTHEWS, W.	..	..	England : 10 Portugal-st., Lincoln's Inn	..	Table cutlery	..	21	..	New winging apparatus for fractured legs. Table knives. Strong box, cabinet shape. A double-cased iron scrutoire. Polished steel open face-place, style Louis XV. : and stove.	
MATHYS, J.	..	..	Belgium : Brussels	..	Strong box and polished stores	..	22	..	Paper of various qualities. Imitation of China-paper. Various sorts of water-colours, painting, hanging, analysing, and flower papers. Imitation of fine paper.	
MAZZAN & VINCENT JOURNET	..	..	France : Souche	..	Printing paper	..	17	..	Specimens of wheat artificially hybridized, showing that its exterior form can be modified.	
MAUND, B.	..	..	England : Bromsgrove	..	Hybrid wheats	..	3	..	Small wood table, with miniature dessert set, turned in ivory. Machine applicable to flour-mills.	
MAUNDER, J.	..	..	England : Lancaster	..	Turning in ivory	..	23	..	Chemical preparations.	
MAUZAIZE, J. N.	..	..	France : Chartres	..	Friction clutch	..	5	..	Japanned and enamelled hides, black, and in various colours, for saddles and coach work. Dyed cat-skins, morocco, roans, and split sheep-skins, dyed. Black japanned calf-skins, enamelled goat and cat-skins, black and coloured. Japanned cat-hides, hides for bridles, stirrups, and saddles.	
MAY and BAKER	..	..	England : Battersea	..	Chemicals : mercurial preparations	..	2	..	Earthenware table-ware. Toilette and dessert ware. Garden and rustic seats. Finger-plates and door furniture, enamelled and gilt.	
MAYER, MICHEL, & DENINGER	..	..	Grand Duchy of Hesse : Mentz	..	Japanned and varnished hides, and calf leather, and for Morocco, roans, and shivers	..	16	..	White stone-ware. Earthen ware. Bust of Wesley.	
MAREK, T. J. and J.	..	..	England : Longport, Burslem	..	Earthenware	..	25	..	Fancy papers. Specimens of engraving and lithography, fans, paste-board, and sweetmeat envelopes.	
MAYER, Mme. T.	..	..	France : 22 Rue de la Vieille Monnaie, Paris	..	Fancy ornaments for confectioners	..	17	..	Syphon vases, for containing aerated mineral waters.	
MAYO and Co.	..	..	England : 17 Silver-st., City	..	Vases for mineral waters	..	27	..	Cotton table-cloths. Bird's-eye diaper and huckaback towelling furniture and jean stripes. Gingham, &c. ; all made by power-loom.	
Mc BRIDE and Co.	..	..	Scotland : Glasgow	..	Cotton diaper woven by power	..	11	..	Table-cloths and tartans, the web being from hump.	
Mc CAT, Thomas	..	..	Ireland : Lisnashanker, Dromore	..	Fronting linen, made of mill-spun warp, and hand-spun weft	..	14	..	Bleached linen and linen netting.	
Mc CONNELL, J. E.	..	..	England : Wolverton	..	Corrugated iron railway carriage	..	5	..	Railway passenger carriage.	
Mc DOWD, D.	..	..	Scotland : Inverness	..	Hosiery knitted by the Scotch peasants	..	20	..	Tartan plaids. A Shetland knitted shawl. Highland carpet, made from first-class Sutherland Cheviot wool. Plaid and tweed manufactured at St. Kilda, the most remote of the British islands. Home-made gloves of wool, and of wool of the white mountain hare. A woman's shoulder plaid, &c., showing the state of industry in Lewis eighty-three years ago. Linsey-woolsey, made of Cheviot	



# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
Mc DOWALL, Charles	England : 4 High-st., Bloomsbury	Escapement (clock)	106	wool and bog-cotton. Tweed, &c., made of Vicuna wool. High-
Mc GEE, Jno. G. and Co.	Ireland : Belfast	Waistcoat pieces	20	land brooches, made of carved bog-oak, deer's teeth, and Cairngorms.
Mc KENZIE, W. B.	Scotland : Edinburgh	Shetland knitted shawls	20	Highland ornaments. Yarns, showing native dyes ; native dye-stuffs.
Mc MURRAY, T. and Co.	Ireland : Dromore	and hose	14	Specimens of rock crystal, or Cairngorm, from the mountain of that
M'CREA, H. C. and Co.	England : Halifax	Fine linens	12	name in Inverness-shire.
MEARS, C. and G.	England : 267 Whitechapel-road	Damasks	22	Clock movement, with a dead escapement, of a new construction.
MEHRDRETZ-DEZARINLOGLOU	Turkey	Bells	4	Embroidered vests.
MEDINA DEL CAMPO, the Mayor of		Silk	3	{ Articles knitted by the hand in the Shetland islands, from the wool of
MEHU, J. M. F.	Spain	Wheat	1	their sheep.
MEIER, F.	France : Anzin	Apparatus for raising miners and materials	20	Bleached and unbleached linen.
MEIGER, C. and Sons	France : 17 Rue Tronchet, Paris	Workmanship in ladies' shoes	25	Furniture damasks, piece and yarn dyed. Table covers. Poncho
MEINERT, Brothers	England : Hanley, Staffs.	Earthenware	20	stuffs, all worsted, used in South America.
MEINIG, C.	Saxony : Oelsnitz	Woolen shirts for exportation	20	Hemispherical bell, five feet in diameter.
MEISSNER, F. T.	England : 103 Leadenhall-st.	Collection of grindstones ; bones, &c.	1	Raw silks and cocoons.
MEISSONIER, Charles	Saxony : Grossenhain	Woolen cloths for exportation	12	Wheat.
MELOTTE, E.	France : 8 Rue Meslay, Paris	Chemical products	19	{ Apparatus for the extraction of ores ; the free and safe ingress and
MENE, P. J.	Belgium : Brussels	Gold embroidery	22	egress of miners in and from the mines.
MENET, Jean	France : 7 Faubourg du Temple, Paris	Bronzes of boar hunt, &c.	22	Half boots, slippers, and shoes of various kinds.
MENET, Jean	France : Beaulieu and Annonay	Organzine, both white and yellow	13	Lotus candlesticks and jugs. Flower-pots and stand. Vases, &c., in
MENVILLE and ROBERT MENGHIUS, Brothers	France : Manosque	Plain and fancy velvets	4	porcelain. Statuettes, candlesticks, &c., in Parian and terra cotta.
MENIER and Co.	France : 37 Rue St. Croix de la Bretonnerie, Paris	Patterns for flounces, handkerchiefs, lappets	2	Woolen shirts and articles of hosiery.
MERAUX, J. H.	France : 7 Rue de la Jussienne, Paris	Watches	106	{ Circular grindstones, for glass, mineral teeth, fine tools, &c. Grind-
MENCHER, S.	Switzerland : Geneva	Curried calf-leather	16	ing lathe, &c. Circular and flat oilstones.
MENCHER, J. J.	Switzerland : Lausanne, Canton de Vaud	Ebony cabinet	26	Cloths, thin black, coloured, olive and black ; thick, black and bronze.
MENCHER, P. E.	France : 109 Faubourg St. Antoine, Paris			Colours and dyes.
				Embroided flag.
				Bronzes : boar hunting, stag hunting, mare and foal.
				{ Yellow and white organzines of different qualities and preparation,
				Three skeins of raw silk.
				{ Silk and terry velvet of different colours, and moleskin and stamped
				Drugs prepared by steam. Chocolates. Pearl and shelled barley. Gruel.
				Designs for lace manufacturers and fancy net.
				A chronometer. Half chronometer for the use of the deaf and dumb.
				Watch. Morocco leathers ; boot legs, fronts and backs ; chamofa,
				Calf and goat skins, for bookbinding. Cupboards with mirrors. Bed.
				Drawing-room furniture. Cupboards with mirrors. Bed. Chest of



DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
MERCIER, C. V. ..	France : 28 Rue des Gravilliers, Paris ..	{ Tortoise-shell and horn } { snuff-boxes .. .. }	29	Tortoise-shell snuff-boxes ; ditto, wood and ivory ; rhinoceros, palm-tree, olive-tree, and rose-tree woods.
MERCURIN, H. J. ..	Alsace : Chercas ..	Oils .. ..	4	Olive-oil of 1850. Odoriferous essences.
MEREDITH, J. H. ..	England : Powoy, Cornwall ..	Slabs of porphyry ..	27	Slabs of black, red, and green porphyry. Tessellated porphyry table, containing 54 specimens of native stones from Withiel.
MERKLINGHAUS and Wex ..	Prussia : Barmen ..	Dressed hides, manufactured for saddlery and harness .. ..	16	Dressed hides.
MERLE-LEFEVRE and Co. ..	France : Ingouville ..	Cordage .. ..	14	Cables and cordage.
MERLIN, A. and V. ..	Russia : Riazan ..	A long, white embroidered shawl .. ..	15	A shawl.
MERO, C. D. ..	France : Grasse ..	Essential oils .. ..	4	Various essential oils and perfumery.
MERSEY IRON COMPANY ..	England : Liverpool ..	Patent rolled iron for ship-building .. ..	5	Samples of rolled iron.
MERYWEATHER, J. B. ..	America : Alabama ..	Cotton .. ..	5	Specimens of cotton, rice, hominy, flour.
MERYWEATHER, M. ..	England : 63 Long Acre ..	Fire engine .. ..	4	Powerful fire-engines. Garden-engines.
MESSAT, AUG. ..	Austria : Vienna ..	Figured tafetas, gauze, and crepe ribbons ..	5	helmet, tools, &c. Fire escapes.
MESSENGER and Sons ..	England : Birmingham ..	Bronzed and lacquered lamps (and special ap- probation) .. ..	13	Silk ribbons. (Domestic groups of the Queen and the Prince of Wales, in or-molu and bronze. Portion of a chandelier in bronze. Ornamental designs in or-molu and bronze. Station-signal, and tail-lamps ; hand signal-lamps ; roof lamp for carriages ; carriage lamps ; gas-fittings ; engine cocks.)
MESTIVIER and HAMOIR ..	France : Valenciennes ..	Cambrics .. ..	22	Linen fabrics, pieces of cambric and lawn.
METTERNICH, Prince ..	Austria : Pils ..	Stove for hunting seat ..	22	Cast-iron stove for a hunting seat.
MEYERSEN, G. ..	Prussia : Dülken ..	Flax .. ..	4	Thread and raw flax. White embroidered yarn. Crochet thread, &c. The threads of German and English machine-spun and German hand-spun yarns.
MEXANCES and Son.. ..	France .. ..	Extra fine embroidered silk hose .. ..	20	Embroidered silk hose.
MEYER, S. and M. ..	England : Bow-lane, City ..	Manufactured articles made from the skins of the rabbit ..	16	Dressed English rabbit-skins, riding boas, muffs, gloves.
MEYER, C. ..	America : Philadelphia ..	Two pianofortes .. ..	10a	Pianofortes constructed with iron-plate frames, particularly adapted to damp and warm climates.
MEYER, H. C. jun.. ..	Hamburg .. ..	Walking canes .. ..	29	Large square & small pattern canes, containing : 500 walking-sticks. Samples of ivory, whalebone, ratins, &c., cut very fine. Whips and rods. A glass case of stick button and caricatures cut out in bone, ivory.
MEYERS, B. ..	England : 18 Crutched Friars ..	Collection of sticks .. ..	29	Specimens of English sticks, rough and manufactured. Ratians from India, &c. ; rough and manufactured canes ; bamboos, rattans ; Spanish, Chinese, and American reeds ; sticks from West Indies ; and articles made of the same.
MEYRS, Nephews ..	Austria : Adolf and Leonorenhain ..	Bohemian glass .. ..	24	Glass flower vases, of various kinds and sizes ; centre-pieces, candleabra, sugar-basins, jewel-stands, milk-jugs, jugs, candlesticks, decanters.
M'Gregor and Lee.. ..	America : Cincinnati ..	Bank lock .. ..	22	Improved bank lock.



DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
MICHEL, A. . . . .	France : Puteaux près, Paris . . .	Extracts : colouring woods	2	Bottles containing various extracts of the colouring matter of dye woods.
MICHELIN, T. . . . .	France : 139 Rue Montmarire, Paris	Fancy ribbon, trimmings for dresses and cloaks. . .	19	Silk and velvet ribbon.
MIDDLEMORE, W. . . . .	England : Birmingham . . . . .	A lady's embroidered saddle, die, and ditto with elastic seat ; also mounting- rein for unbroken horses	16	Gig harness. Saddle with elastic seat. Embroidered lady's saddle. A new mounting-rein for unbroken horses. Shot-pouches.
MESNACH, A. . . . .	Austria : Vienna and Pesth . . .	Bricks and brick clay . . .	27	Bricks, roofing-tiles, and draining tiles of clay, from Ingersdorf, near Vienna, and Kakos, near Pesth. Hollow bricks for building arches, made by machinery.
MIGUEL, E. de . . . . .	Spain : Madrid . . . . .	Iron bedsteads, &c. (and special approbation) . . .	22	Iron bedsteads, and bed-room stand, with gilt and inlaid ornaments
MILES, S. . . . .	England : Burrell-row . . . . .	Collection of articles of dress	20	A variety of Berlin wool-work.
MILANE, P. . . . .	Rome . . . . .	Hand-made plate and writing papers . . . . .	17	Samples of paper made of flax and hemp.
MILLER and HALL . . . . .	United Kingdom . . . . .	Excellent cashmerettes . . .	15	Cashmerettes.
MILLER and SONS . . . . .	England : 179 Piccadilly, & 870 Oxford-st. . . . .	Signal lamps, &c. . . . .	22	Admiralty regulation lights. Ship, carriage, railway, police, and reading lamps.
MILLER, G., jun. . . . .	Russia : St. Petersburg . . . .	Inlaid floor . . . . .	26	Coloured inlaid floors of various designs.
MILLER, T. J. . . . .	England : Westminster . . . .	Large block of refined spermaceti, and speci- mens to illustrate the process of spermaceti refining . . . . .	29	Spermaceti oil from the south seas. Spermaceti, rough, filtered, and refined. Crystallized mass of refined spermaceti.
MILLMAN, — jun. . . . .	France : Marseilles . . . . .	Marseilles soap . . . . .	29	Various samples of soap.
MILLIGAN, W., and Son . . . .	England : Bingley . . . . .	Embroidered alpaca goods, under a patent process of the exhibitor's . . . .	12	Embroidered alpaca, and silk furniture-clothes, satin striped dress goods, damask, &c. Alpaca program coatings. Mohair mixtures. Specimens of alpaca and mohair in the various stages of manufacture.
MILLIGAN, A. M. . . . .	Van Diemen's Land : Launceston .	Biscuits . . . . .	3	Small cask of biscuits, made of Tasmanian flour. Common seamen's and fine ship biscuits.
MILLIGAN, J. . . . .	Van Diemen's Land . . . . .	Collection of raw produce	4	A very extensive collection of the raw products of Van Diemen's Land.
MILNER, R. . . . .	Ireland : Dublin . . . . .	Collection of Irish woollen Plan for opening and clos- ing doors in mines . . . .	12	Fleeces, long wool, grown in the counties of Meath and Calway. Fleeces long & short wool mountain, grown in the county of Wicklow.
MILLS, R. . . . .	Wales : Swansea . . . . .	Searic candles, by the process of saponification and distillation . . . . .	1	Model for opening and closing doors, for mining purposes, by a rever- sion of levers, without the aid of boys.
MILLY STEARINE CANDLE CO. . .	Austria : Vienna . . . . .	Safes . . . . .	29	Stearine and stearine candles.
MILNER and Sons . . . . .	England : Liverpool, Manchester, and London . . . . .	Workmanship of hosiery Improved cottage hosiery Canvas made with bands	22	Holdfast and fire-resisting safes.
MILOS, P. D., sen. . . . .	France : 98 Rue St. Honoré, Paris	Flowers in wax . . . . .	20	Silk stockings. Trousers, babies', clothes, and various articles of hosiery.
MURSON, A. M. . . . .	England : 10 Great Marylebone-st.		3	British birds' cases ; bee-hives, and bees at work in glass hives.
MURSON, J. H. H. Elizabeth and Rebecca . . . . .	England : Gatehead . . . . .		14	Improved candlecloth.
	England : 36 Soho-square . . .		29	Showing curious botanical specimens, modelled in wax from life, and exhibiting the various and phases of their existence.



NAME.	LOCALITY.	ARTICLES, REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
MARON, Brothers .. MIRRI, Brothers ..	France : Rouen .. France : Rue d'Angoulême du Temple, Paris ..	Card clothing .. .. Imitation bronzes .. ..	6 29	Cards made with machinery. { Pendulums and chandeliers, representing different kings and great men of France and England. Bronze statuettes. The same in imitation of bronze. Models of all the primary and secondary forms of crystals. Self-adapting pens and holder, and steel pens in great varieties. Metallic pens and pen-holders.
MITCHELL, Rev. W. ..	England : St. Bartholomew's Hospital ..	Models of crystals .. .. Metallic pens .. ..	10 22	
MITCHELL, J. .. .. MITCHELL, W. .. .. MITCHELL, Count Anton von .. .. MICHOWSKY, Count Anton .. .. M'NICOLL and VEENON .. ..	England : Birmingham .. .. England : Birmingham .. .. Austria : Grossheeritz .. .. England : Liverpool .. ..	Wools .. .. .. Steam traversing crane .. .. Alum .. .. ..	4 5 2	Pure stock merino sheep-wool. Steam travelling crane for railways, and for loading and discharging the cargos of vessels. Crystallized alum, raw alum shale, calcined shale, alum meal and finished alum. Sulphate of magnesia, rough and refined. Ammonia and magnesia, for manure. Figured gros de Naples ribbons, and satin ribbons.
MOBERLEY, W. .. ..	England : Landsead, near Whitby ..	Figured and lined ribbons Assortment of canvas, of tow, fax, and hemp, and railway waggon coverings .. ..	13 14	Unbleached flax linen. Mosaics. Temples of Pestum. A circular table ; and a square, representing St. George.
MOREING, Charles .. .. MOREMAN-VANLAERE, J. .. ..	Austria : Vienna .. .. Belgium : Ghent .. ..	Light clogs and kid boots Plain velvets, and for rich figured velvet for furniture .. ..	27 20	White satin boots. Boots of chamdis and enamelled leather. Clogs. Calf-leather boots of ordinary appearance, though fitted for a deformed foot.
MOGLIA, Luigi .. ..	Rome .. .. ..	Silk .. .. ..	13	Black silk-velvet pieces, antique style. Silk-velvet, silk damask, satin stuff, &c., for furniture and hangings.
MOHRE, W. .. .. MOLINARI, A. .. ..	Prussia : Berlin .. .. Sardinia : Genoa .. ..	Fabrics of worsted mixed with silk, much used for foreign consumption Cat-glass .. .. .. Portemonnaies, pocket-books, and dressing-cases .. ..	4 12 24	Samples of silks, silk waste, and cocoons. Fabrics in woollen and silk for dresses, shawls. Specimens of cut, engraved, and coloured glass ; consisting of jugs, goblets, decanters, finger-basins, glasses, flower and other vases, fish-basins, counter-pieces.
MOLINER, L. .. .. MOLLER-WARME, Brothers .. ..	France : St. Jean-du-Garde .. .. France : Amiens .. ..	Quality of iron .. ..	17	Various patterns of tea-caddies. Cigar, card, counter, and work-boxes, in yellow and white varnished wood, with steel mountings. Six ingots of cast-iron for gun-barrels.
MOLNEX, WEBB, and Co. .. MONCH and Co. .. ..	England : Manchester .. .. Duchy of Hesse : Offenbach .. ..	Four cottage piano-fortes Painted ceiling .. .. Figures, illustrative of Mexican life .. .. Watch main springs .. ..	1 10a 26 29 10b	Decorations for a vaulted ceiling of a library. Model wax dolls, the hair being inserted into the head, eye-lashes, and eye-brows, and varying in size. Model rag dolls. Figures illustrative of Mexican town and savage life. Springs for watch-work, lamps and musical instruments, and various other springs.
MONCHEUR, F. and A. .. MONTAL, C. .. ..	Belgium : Andennes .. .. France : 5 Boulevard Montmartre, Paris .. ..			
MONTANARI, A. .. .. MONTANARI, A. .. .. MONTANARI, N. .. ..	Austria : Milan .. .. England : 25 Upper Charlotte-st. As above .. ..			
MONTANDON, Brothers .. ..	France : Paris .. ..			



# DESCRIPTION OF ARTICLES EXHIBED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBED.
MONTEIRO, L. A. ..	England : Kensington ..	Chocolate ..	3	Chocolate manufactured.
MONTESUY and CHOMER ..	France : Lyons ..	Crêpe, crêpe lisse, crêpe aërophane, and gauze of many kinds ..	13	Plain silks, tartan silk, muslin silk, crape, English crape.
MONTFORT, F. ..	Spain : Torrente de Cinca ..	Silks ..	4	Silk produced in the district. Silk from different worms, called <i>Trecollinos</i> , <i>de Raïko</i> , and <i>Turquia</i> .
MONTGOLFIER, — ..	France : Annonay ..	Paper : & imitation parchment, adapted for many useful purposes. ..	17	Various sorts of paper and card-paper. Peculiar natural vegetable paste copying paper, and animal parchment. The latter article employed to make cartridges for the French navy.
MONTI, Raffaele ..	Austria : Milan ..	Marble statue of Eve ..	30	Statues in Carrara marble. Eve after the Fall : a Veiled Vestal. Statuettes, Ancient and Modern Love. Group representing Innocence. Statue, a Circassian slave in the market. Group, Angelica and Medoro. Group of two Girls. Statuette of a Boy catching a Grasshopper.
MONTIGNY, G. de ..	Algeria : St. Joseph, Oran ..	Dyes ..	4	Soft wheat and barley of 1850. Madder-root. Safiron.
MONTREAL MINING COMPANY	Canada : Montreal ..	Copper manufacture ..	1	Copper ore, from Bruce mines, Lake Huron, and tough cake copper, smelted there from the same. Native copper and silver, from St. Ignace island, Lake Superior.
MONTREAL CENTRAL COMMISSION.	Canada : Montreal ..	Collection of woods ..	4	Shipbuilding crooks and futtocks, planks of pine, spruce, tamarack, bird's-eye maple, soft maple, basswood, ash, curled ash, birch, red rock elm, butternut, black walnut, white oak and ironwood.
MOORE, P. and Co. ..	England : Birmingham ..	Iron and brass hinges ..	22	Brass, German silver, and embossed electro-plated hinges. Process of making plain and embossed brass wires. Tube and wire of brass, copper, tin, &c. Brass rolled latten. Polished and sash-bars. Essence of milk ; samples combined with chocolate, cocoa, and coffee.
MOORE, E. D. ..	England : Eccleshall, Staffs. ..	Preserved milk and cream	3	Half-silk goods. Comb-wool stuffs. Cashmere. Mousseline-de-laine.
MORAND and Co. ..	Prussia : Gera, Reuss ..	Draps d'été, or summer clothes twilled like merinos	12	Satin d'Espagne. Napolitaine. Drab d'été ; and cuir-de-laine.
MORANT, J. G. ..	England : 91 New Bond-st. ..	Decoration and furniture	26	Specimen of rich decoration. Circular table. Ornamental frame. Cabinet of tulip-wood. Carpet.
MORATILLA, F. ..	Spain : Madrid ..	Church service ..	23	Tabernacle, silver-gilt, inlaid with precious stones.
MOREAU and Co. ..	France : 22 Rue d'Enghien, Paris ..	Embroidered shirt-fronts	19	Linens and cambric shirts, with stitched and embroidered fronts.
MOREAU, A. ..	France : 3 Rue Drouot, Paris ..	Products of distilled bitumen	2	Lamp oil. Essence for varnish. Oil for machinery. Grease.
MOREL, Brothers ..	France : Charleville ..	Moulded cast-iron, &c. ..	22	Soups and pastes, from the bituminous mines of Schahwiller. Moulded cast-iron, pottery projectiles, mechanical nails, carved ironmongery.
MOREWOOD and ROGERS ..	England : Steel Yard Wharf ..	Zinc and galvanized tubes	22	Galvanized tinned iron for gutters, pipes, mouldings, wire for telegraphs, fencing.
MOREY, C. ..	America : Boston ..	Eastman's stone-cutting machines	6	Machine for dressing, shaping, and ornamenting stone for architectural and other purposes.
MORSEBOTH & KRUGMANN	Prussia : Elberfeld ..	Woolen velvet, plain and figured ..	15	Coloured velvets, including purple, royal blue, claret, green, crimson, embossed cerise, and violet.



DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	
MORIN, —	Algeria: El Biar ..	Cottons .. .. .	4	Tobacco in leaves, called Philippin. Hashed tobacco. Cigars. Jumed cotton, 1850. Silk in cocoons, and spun silk.
MORLAND, J. and Son	England: 50 Eastcheap..	Umbrellas and parasols	29	Umbrellas and parasols.
MORLEY, I. and R..	England: London & Nottingham	Silk and cotton hose of the best quality .. .. .	20	Specimens of cotton and lisle thread stockings; Balbriggan stockings; lisle stockings; silk gloves and socks; Derby-ribbed socks, spun silk shirts; merino half-hose; spun silk shirts.
MORNIER, F.	France: 31 Rue Mondétour, Paris	Galloons and buttons ..	19	Galloons and silk buttons.
MORRIS, JONES, and Co.	America: Philadelphia ..	Plate iron .. .. .	1	Specimens of the best hanging boiler-plate iron. Specimens of the best hanging boiler-plate iron and hammered bar-iron. Specimens of the iron-ore and limestone used at the furnace, and the pig-iron made from it by charcoal. Specimens of machine-made cut nails.
MORRIS, R.	Canada: Montreal ..	Set of double-sleigh harness	16	Set of double carriage harness.
MORSON, T. and Son..	England: Southampton Row ..	Organic products .. ..	2	Specimens of crystallized salts of morphine, strichnine, cinchonine, with the pure alkaloids from which they are obtained, of pure aconita and veratrica, gallic, tannic, and meconic acids, pyrogallie and pyro-meconic acids, kreosote.
MORTIMER, T. E. ..	Scotland: Edinburgh ..	Guns, rifles, and pistols..	8	Double rifle. Fowling piece. Highland pistols. Improved conical and other balls. Gun-case, with fittings.
MORTON, S. and H..	Scotland: Edinburgh ..	Model of patent ship for ships of the largest class}	7	Model of a ship for hauling up ships, of the largest class, for repairs— a cheap substitute for dry docks—with model of a frigate.
MORTON, J. and G..	England: 8, Great Turnstile, Lincoln's Inn	Table knives .. .. .	21	London-made table cutlery.
MOSELEY and Sons ..	England: 17 and 18 New-street, Covent-garden .. ..	Planes .. .. .	21	Planes and tools, with modern improvements. Tool-chests, cutlery, and needles.
MOSES, Son, and DAVIS	New South Wales..	Tallow .. .. .	4	Cask of Australian mutton tallow, and another of beef tallow.
MOSEMAN, W..	England: Pentonville ..	Brass candlesticks .. ..	22	Exhibition building in perforated paper. Lace and perforated papers. Decoration of rooms. Candlabra.
MOTALA IRON & ENGINE WORKS	Sweden: Ostergöthland, Motala	Iron, quality of .. .. .	1	Round and square iron tubes for steam-engine boilers, frames for iron vessels, edges for steam-engine boilers, plates from unballed and balled puddled iron; pig-iron for castings.
MOTARD, A. and Co..	Prussia: Berlin .. .. .	Stearic candles by the processes of saponification and distillation .. ..	29	Samples of stearine from tallow prepared in various modes. Stearine candles. Grease from palm-oil, and candles manufactured from the same, and with an exterior coat of stearine.
MOTTER, C. ..	France: Rue des Trois Bornes, Paris	Dyes .. .. .	4	Orchil for dyeing and printing stuffs.
MOTLARD, Mlle. ..	France: 35 Rue Montmartre, Paris	Lace head-dress, caps, &c.	19	Lace head-dresses, caps, tobacco bags, and net purses. Various fancy articles in chain-stitch work.
MOUTON, S. G. ..	America: New York ..	India-rubber goods ..	28	India-rubber goods.
MOURGUE, —	France: 27 Rue du Mail, Paris	Stuffs for furniture, hangings, screens, table-covers, &c. .. .. .	12	Tissues for hangings and furniture, folding-doors, and table-covers.
MOURGUE and Co.	Turkey .. .. .	Silks .. .. .	23	Raw silk and cocoons.
MOUTIER, le Page ..	France: 11 Rue Richelieu, Paris	Handle of hanger .. ..	23	Guns, carbines, pistols, swords, &c. Damascus sword-blades and shields.



# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.
MOXON, C. . . . .	England : Marylebone . . . . .	Imitation of inlaid marble for decoration . . . . .	26
MUEL WAHL, and Co. . . . .	France : Vancouleurs . . . . .	Chandeliers, fountains, &c . . . . .	22
MUSELIER, M. E. . . . .	Belgium : Liege . . . . .	Safety lamps . . . . .	1
MUR, W. . . . .	England : Salford . . . . .	Small bath and various tools . . . . .	6
MUR, P. . . . .	Scotland : Edinburgh . . . . .	Archery weapons, &c . . . . .	29
MURKS, CONNELL, and BRODIE	England : Luton, Beds. . . . .	Re-straw bonnets . . . . .	20
MICLOT and Son . . . . .	France : 69 Rue Rochechouart, Paris . . . . .	Excellent and powerful boring tools . . . . .	7
MURCIA, the Province of . . . . .	Spain . . . . .	Silk-worm gut . . . . .	4
MURLEY, W. J. C. . . . .	England : 4 Bow-churchyard . . . . .	Vestings . . . . .	15
MURPHY, J. . . . .	Ireland : Dublin . . . . .	Bells . . . . .	22
MUSTAPHA, Aga Hadgi . . . . .	Turkey . . . . .	Crapes . . . . .	13
MYERS and Sons . . . . .	England : Birmingham . . . . .	Metallic pens . . . . .	22
MYERS, George . . . . .	United Kingdom . . . . .	Carvings in Caen stone . . . . .	27
MYERSCUGH, STEELE, and Co. . . . .	England : Bolton . . . . .	Toilet quilts and bed covers . . . . .	11
NACHET, — . . . . .	France : 16 Rue Serpente, Paris . . . . .	Microscopes . . . . .	10
NACKE and GERNEBECK . . . . .	Saxony : Chemnitz . . . . .	Woman's cut-up white cotton hose of fine quality . . . . .	20
NAEF and SCHWARZENBACH . . . . .	Switzerland : Zurich . . . . .	Lustrings and gros-de-rlin . . . . .	13
NABETJENS, G. . . . .	Belgium : Brussels . . . . .	Bobbin, Brussel's berthe, coiffure, lappets, &c. . . . .	19
NAF, M. . . . .	Switzerland : Niederuzwyl, Canton of St. Gall . . . . .	Toilet quilts and bed-covers . . . . .	11
NAHON, J. . . . .	America : Viesburgh, Missouri . . . . .	Cotton . . . . .	4
NAM, Etienne . . . . .	Turkey . . . . .	Amber month-pieces for pipes . . . . .	29
NANNUCOLI, — . . . . .	Tuscany : Florence . . . . .	Leghorn hats and capotes . . . . .	20
NAPIER and Sea . . . . .	England : Lambeth . . . . .	Letter-press printing machinery . . . . .	6
NAPIER and Sea . . . . .	As above . . . . .	A compass, used for registering the soundings and for detecting errors in the stowage of a ship . . . . .	8

{ Decorations for a drawing-room, being imitations of inlaid marbles, panels, &c. Chimney-piece and glass frame.  
 Statues; Hebe, a faun. Busts, candelabras, fountain, door-panels, pilasters, table-feet.  
 Two safety lamps for mines.  
 Amateur foot-lathe, with joiner's bench, tool-chest, &c. Coffee-mills.  
 Screw embossing press, with specimens. Copying presses. Screw stocks, taps, &c. Oil-testing machine. Theodolite. Soap-cutting machine.  
 Specimens of bows, arrows.  
 Specimens of plaited and bonnets, made from wheat-straw grown in Bedfordshire. Specimens of the straw in all stages of the work.  
 A sample of sounding instruments.  
 Silk-worm gut for fishing, first and second qualities.  
 Waistcoat length, cotton; silk and cotton; silk, wool, and cotton; silk and wool plush; silk and linen; wool and cotton.  
 Two church bells, weighing respectively about 28 cwt. and 7 cwt., cast in tune from the furnace, without any artificial tuning or chipping.  
 Crapes.  
 Specimens of steel pens, and improved steel-pen and quill-pen holders, Stone and wood carving.  
 Counterpane and quilting bed-cover, or toilet-quilt. Fine diamond quilting for waistcoats.  
 Micrographic instruments.  
 Women's hose and other articles of hosiery.  
 Silk stuffs. Velvet for waistcoats, aprons, handkerchiefs. Exhibited for cheapness and quality.  
 Three veils from Florence, one Casavarka, and a half-shawl Brussels lace, application and needle point.  
 Moreas, half-cotton, luting, satined, hakers, gingham.  
 Specimens of cotton.  
 Pipe month-pieces in amber.  
 Straw bonnets.  
 Compass which registers on paper the compass course which a vessel has been steered for 24 hours. Perfecting printing machine. Self-feeding and discharging centrifugal apparatus, suited for the separation of molasses from the crystal, and other purposes.  
 As above.



DESCRIPTION OF ARTICLES EXHIBITED.

NAME	LOCALITY	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
NASMYTH, J. . . . .	England: Manchester	Four-horse power direct-acting engine . . . .	5	A steam-engine.
NASMYTH, J. . . . .	England: Manchester	Moon-maps. . . . .	10	Map of the moon: exhibiting the relative positions and character of the most striking features of its surface, as they appear when seen under the most favourable circumstances, in respect to light and shade, with drawings of certain portions of the lunar surface, as seen by the very powerful telescope. A large collection of iron ore, grey copper, lead, copper, zinc, manganese, and iron ore. Birminghams coal. Slate. Heavy barres spar. Fuller's earth. Potter's clay, and coloured earth. Samples of stone-ware, to show its mass.
NASSAU, the Government Engineers of Mines of	Nassau	Collection of mineral produce and metallurgy of Nassau . . . . .	1	
NATIONAL PRINTING OFFICE	France: Paris	Variety of oriental and other types, and for the beauty of execution of their specimen book, in which great taste is displayed; also, for three Oriental volumes, with borders round every page, in gold & colours. The ultra-marine blue, printed as an ink direct from the type, is pure and bright. . . . .	17	{ One bound volume, typographic specimen; and three geographical maps. Copies of ancient missals and manuscripts.
NAYLOR, VICKERS, and Co.	England: Sheffield	Quality of steel . . . .	1	Illustrations of cast-steel by models of furnaces, rolling mills, and forges. Manufactured articles.
NAYLOR, J. . . . .	England: Hulme	Lamps for pillars and wall brackets . . . . .	22	Lamps for pillars on the ground, and for brackets to the wall.
NEDHAM, HENRY	England: 4 Vine-st., Regent-st.	Guns, rifles, and pistols . . . .	8	Self-priming fowling piece.
NEF, J. G. . . . .	Switzerland: Herisau, Canton of Appenzell	Spotted muslins . . . .	11	{ Swiss muslin. Tamboured gauze balzoline and nainzook. Striped gauze. Figured muslin.
NEGRETTO and ZAMBRA	England: 11 Hatton-garden	Meteorological instruments on glass . . . .	10	{ Standard open cistern barometer. Self-registering barometer. Pocket symphonometer. Rutherford's thermometer. Sixes' self-registering thermometer. Hygrometers. Pressing gauge.
NEUBER, F. . . . .	Saxony: Chemnitz	Low priced cotton hose, suitable for exportation	20	Men and women's hose, half-hose, and other articles of hosiery.
NEUHAUS and BROSCH	Switzerland: Bienne	Fine iron wire	1	Iron wire, for making cards.
NEVILL, J. B. and W. and Co.	England: 124 Wood-street	Ladies' under-clothing, hosiery, drawers, &c. . . .	20	{ A piece of Irish linen made from the finest flax. A shirt, shirt-front, and collars, made from the above piece of linen. Richly embroidered neck-tie.
NEWALL, R. S.	United Kingdom	Metal ropes. . . . .	22	Improved wire-rope.
NEWCASTLE, N. S. W. Fresh Meat Preservation Compy.	New South Wales.	Preserved hoiled mutton	3	Preserved fresh beef and mutton, a substitute for salt meats.
NEWCOMBE and JONES	England: Kidderminster	Velvet pile carpets . . . .	19	Model carpet of superior velvet pile. Velvet pile carpet. Best Brussels. New material for ladies' dresses.
NEWINGTON, Dr. S. (as inventor.)	United Kingdom	Top-dressing machine . . . .	9	Agricultural implements: eight-depositor hand-dibble, hand cultivator and drill-hoe, subsoil plough and pulverizer, horse-dibble drill, single horse cultivator.

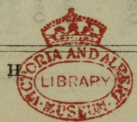


DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	
NEW JERSEY EXPLORING and MINING COMPANY .. ..	America : Newark .. ..	Zinc ores, iron (Franklinite) ores, smelting process, &c.	1	Specimens of zinc, iron, and steel, and other minerals, &c., found near the mines; also of zinc ores. Franklinite: an iron-ore from the same locality. The iron and steel made from this are of good quality. Specimens of pure metallic zinc or spelter, the produce of the red oxide of zinc ore. Zinc white, or white oxide of zinc. This is superior to white lead or the carbonate of lead as a paint; it is free from its poisonous properties; it has no offensive smell, and its colour is durable. Specimens of painting, executed on wood with zinc paints.
NEWTON and Son .. ..	England : 66 Chancery-lane, and 3, Fleet-street .. ..	Globes .. ..	10	Large manuscript celestial globe, 6 feet in diameter. Pair of 25-inch globes; other globes. Complete orrery, or planetarium. Orreries, for educational purposes. Armillary sphere.
NEW YORK STATE AGRICULTURAL SOCIETY .. ..	America : Albany, New York .. ..	Collection of wheats .. ..	3	Case of wheat. Jar of maple sugar.
NICHOLSON, W. N. .. ..	England : Newark-on-Trent .. ..	Oil-cake bruiser .. ..	9	Oil cake breaking machines; mill for grinding barley, beans, &c. Improved double-blast corn-dressing, or winnowing machine.
NICHOLSON, W. N. .. ..	As above .. ..	Cottage cooking stove .. ..	22	Cottage cooking, and other grates, with improvements under Leslie's patent. Various other cooking stoves for cottages, farm-houses, &c. Gas brackets, and ornamental iron-work.
NICKELS, C. and Co. .. ..	England : 13 Goldsmith-st. .. ..	Articles in India rubber .. ..	28	Various articles manufactured from India-rubber.
NICKLIN and SNEATH .. ..	England : Birmingham .. ..	Wire weaving .. ..	22	Copper, brass, and iron weaving; fine drawn brass, and copper wire; strong iron weaving; brass wire-cloth as used for paper-making machines.
NICOLAS, P. . . . .	France : Thann .. ..	Machine for engraving metal cylinders .. ..	6	Machine, intended for cutting the bottom of engraved rollers for printing fabrics.
NICOLLS, Miss .. ..	Bahamas : Cardese, Nassau .. ..	Shell work .. ..	28	Crown and pedestal of shell-work.
NIEDREE, J. E. .. ..	France : Passage Dauphine, Paris .. ..	Specimens of bookbinding .. ..	17	Different books, bound and gilt in a very rich style.
NOBERT, F. A. .. ..	Prussia : Barth, near Stralsund .. ..	Fine lines on glass .. ..	10	Glass plates, with divisions, applicable for observations with the microscope. Ocular micrometer for telescopes, with clear lines in the dark horizon.
NOEL, — sen. . . . .	France : 33 Rue de Lancry, Paris .. ..	Ivory combs .. ..	28	Ivory combs, with hollow round teeth, in every variety.
NOTSAIN, JULES, and Co. . .	England : 131 Regent-st. . .	Ventilating stoves .. ..	22	Ventilating grates and stoves.
NOTESAIN, JULES, and Co. .	As above .. ..	Polished marble chimney piece .. ..	27	As above.
NORDLINGER, Professor .. ..	Wurtemberg : Hohenheim .. ..	Collection of woods .. ..	4	Collection of various woods, showing the nature of their fibre. Collection of insects, especially those which infest the fields.
NORDMANN, G. L. . . . .	Prussia : Liskowô. . . . .	Wool .. ..	21	Fleeces of wool, exhibiting great regularity in the staple.
NORTH WAYNE SCYTHE COMPY.	America : Massachusetts. . .	Scythes .. ..	4	Specimens of scythes.
NORTHUMBERLAND and DURHAM COAL TRADE. . . . .	England : Newcastle-upon-Tyne .. ..	Collection exhibited .. ..	1	Map, section, synopsis, working plan, and specimen of the fossil-plants, coals, rocks, &c., of the coal field of Durham and Northumberland; with models of machinery.
NOURRI, Mehemet Pacha .. ..	Turkey .. ..	Silk .. ..	4	Cocoons and raw silk, &c. Tiles. Roofs covered with zinc tiles. Sheet zinc.
NOUVELLE MONTAGNE ZINC MINING COMPANY, &c. . . . .	Belgium : Verviers .. ..	{ Zinc smelting & manufac- ture .. ..	1	{ Oxide of zinc, &c. Tiles. Roofs covered with zinc tiles. Sheet zinc.



MUSEUM COMPANY, INC.



DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class	Geological prints on clay. Specimens of freestone. Yellow and burnt ochre. Mineral paints. Coal. A fossil-tree. Shell, mari, and lime. Iron ore, and other mineral specimens. Samples of cod-liver oil. Chemical preparations. Maple sugar in dry state, pulverized, and in syrup. Samples of wheat grown by Indians, and of the grain of the barley. Sample of maple sugar. Preserved fish. Red and harn. Bacon, &c. wheat, straw, and oats. Indian corn. Bird's-eye maple, veneered. Specimens of woods : curled maple, and bird's-eye maple. Young seal-bird, grey and white oak, and red maple. Collection of botanical specimens. Specimen of human bones (Indian). Samples of hay-seed, moose-heads, and horns ; cat bones. Collection of botanical specimens. Specimens of preserved animals, birds, and insects. Skins of wild cat, red, cross, black, silver, and white fox, American hare, martin, mink, raccoon, otter, beaver, bear, wolf, weasel, squirrel, flying squirrel, silver-grey fox, martin, musquash ; raccoon and three skin sleigh-ropes. Two iron castings. One Indian canoe, and three paddles. Sample of French home-spun grey, green, striped, and plaid cloth. Check home-spun plaid cloth and brown cloth. Two shawls. Quilts, blankets, woollen hearth-rugs, &c. Woollen vest, socks and mitts, assorted. Pairs of fine and coarse-pegged boots. Shoe-lasts. Snow-shoes, with mocassins. Grass bonnets and hats. Down hat, muff, victorine, and cuffs. An Indian dress, cradle, chairs, seats, mats, cigar-cases, and other Indian work. Map of Nova Scotia, and hand-book. Book of music. Piano, in case of bird's-eye maple. Soap and candles. Eel-spear and fishing-rods. Indian fan, reticule, hood, purse, and mocassins. Indian and negro bones and baskets. Reticules of grass. Assortment of knives for the Levant trade. Other cutlery, razors, dressing-cases. Two piano-fortes : a 7-octave rosewood piano-forte, curved ; a 6½-octave rosewood piano-forte, with Coleman's Æolian attachment. Japanned calf-leather, for boots and shoes.
Nova Scotia, Central Committee of .. .. .	Nova Scotia .. .. .	A choice collection of skins	16	Geological prints on clay. Specimens of freestone. Yellow and burnt ochre. Mineral paints. Coal. A fossil-tree. Shell, mari, and lime. Iron ore, and other mineral specimens. Samples of cod-liver oil. Chemical preparations. Maple sugar in dry state, pulverized, and in syrup. Samples of wheat grown by Indians, and of the grain of the barley. Sample of maple sugar. Preserved fish. Red and harn. Bacon, &c. wheat, straw, and oats. Indian corn. Bird's-eye maple, veneered. Specimens of woods : curled maple, and bird's-eye maple. Young seal-bird, grey and white oak, and red maple. Collection of botanical specimens. Specimen of human bones (Indian). Samples of hay-seed, moose-heads, and horns ; cat bones. Collection of botanical specimens. Specimens of preserved animals, birds, and insects. Skins of wild cat, red, cross, black, silver, and white fox, American hare, martin, mink, raccoon, otter, beaver, bear, wolf, weasel, squirrel, flying squirrel, silver-grey fox, martin, musquash ; raccoon and three skin sleigh-ropes. Two iron castings. One Indian canoe, and three paddles. Sample of French home-spun grey, green, striped, and plaid cloth. Check home-spun plaid cloth and brown cloth. Two shawls. Quilts, blankets, woollen hearth-rugs, &c. Woollen vest, socks and mitts, assorted. Pairs of fine and coarse-pegged boots. Shoe-lasts. Snow-shoes, with mocassins. Grass bonnets and hats. Down hat, muff, victorine, and cuffs. An Indian dress, cradle, chairs, seats, mats, cigar-cases, and other Indian work. Map of Nova Scotia, and hand-book. Book of music. Piano, in case of bird's-eye maple. Soap and candles. Eel-spear and fishing-rods. Indian fan, reticule, hood, purse, and mocassins. Indian and negro bones and baskets. Reticules of grass. Assortment of knives for the Levant trade. Other cutlery, razors, dressing-cases. Two piano-fortes : a 7-octave rosewood piano-forte, curved ; a 6½-octave rosewood piano-forte, with Coleman's Æolian attachment. Japanned calf-leather, for boots and shoes.
Nowell, J. and Sons .. .. .	England : Sheffield .. .. .	Cutlery .. .. .	21	Geological prints on clay. Specimens of freestone. Yellow and burnt ochre. Mineral paints. Coal. A fossil-tree. Shell, mari, and lime. Iron ore, and other mineral specimens. Samples of cod-liver oil. Chemical preparations. Maple sugar in dry state, pulverized, and in syrup. Samples of wheat grown by Indians, and of the grain of the barley. Sample of maple sugar. Preserved fish. Red and harn. Bacon, &c. wheat, straw, and oats. Indian corn. Bird's-eye maple, veneered. Specimens of woods : curled maple, and bird's-eye maple. Young seal-bird, grey and white oak, and red maple. Collection of botanical specimens. Specimen of human bones (Indian). Samples of hay-seed, moose-heads, and horns ; cat bones. Collection of botanical specimens. Specimens of preserved animals, birds, and insects. Skins of wild cat, red, cross, black, silver, and white fox, American hare, martin, mink, raccoon, otter, beaver, bear, wolf, weasel, squirrel, flying squirrel, silver-grey fox, martin, musquash ; raccoon and three skin sleigh-ropes. Two iron castings. One Indian canoe, and three paddles. Sample of French home-spun grey, green, striped, and plaid cloth. Check home-spun plaid cloth and brown cloth. Two shawls. Quilts, blankets, woollen hearth-rugs, &c. Woollen vest, socks and mitts, assorted. Pairs of fine and coarse-pegged boots. Shoe-lasts. Snow-shoes, with mocassins. Grass bonnets and hats. Down hat, muff, victorine, and cuffs. An Indian dress, cradle, chairs, seats, mats, cigar-cases, and other Indian work. Map of Nova Scotia, and hand-book. Book of music. Piano, in case of bird's-eye maple. Soap and candles. Eel-spear and fishing-rods. Indian fan, reticule, hood, purse, and mocassins. Indian and negro bones and baskets. Reticules of grass. Assortment of knives for the Levant trade. Other cutlery, razors, dressing-cases. Two piano-fortes : a 7-octave rosewood piano-forte, curved ; a 6½-octave rosewood piano-forte, with Coleman's Æolian attachment. Japanned calf-leather, for boots and shoes.
NUNNS, R. and GRANKINS and Co. . . . .	America : New York .. .. . France : 132 Faubourg du Temple, Paris. . . . .	A 7-octave square piano forte Black varnished calf leather	10a 16	Geological prints on clay. Specimens of freestone. Yellow and burnt ochre. Mineral paints. Coal. A fossil-tree. Shell, mari, and lime. Iron ore, and other mineral specimens. Samples of cod-liver oil. Chemical preparations. Maple sugar in dry state, pulverized, and in syrup. Samples of wheat grown by Indians, and of the grain of the barley. Sample of maple sugar. Preserved fish. Red and harn. Bacon, &c. wheat, straw, and oats. Indian corn. Bird's-eye maple, veneered. Specimens of woods : curled maple, and bird's-eye maple. Young seal-bird, grey and white oak, and red maple. Collection of botanical specimens. Specimen of human bones (Indian). Samples of hay-seed, moose-heads, and horns ; cat bones. Collection of botanical specimens. Specimens of preserved animals, birds, and insects. Skins of wild cat, red, cross, black, silver, and white fox, American hare, martin, mink, raccoon, otter, beaver, bear, wolf, weasel, squirrel, flying squirrel, silver-grey fox, martin, musquash ; raccoon and three skin sleigh-ropes. Two iron castings. One Indian canoe, and three paddles. Sample of French home-spun grey, green, striped, and plaid cloth. Check home-spun plaid cloth and brown cloth. Two shawls. Quilts, blankets, woollen hearth-rugs, &c. Woollen vest, socks and mitts, assorted. Pairs of fine and coarse-pegged boots. Shoe-lasts. Snow-shoes, with mocassins. Grass bonnets and hats. Down hat, muff, victorine, and cuffs. An Indian dress, cradle, chairs, seats, mats, cigar-cases, and other Indian work. Map of Nova Scotia, and hand-book. Book of music. Piano, in case of bird's-eye maple. Soap and candles. Eel-spear and fishing-rods. Indian fan, reticule, hood, purse, and mocassins. Indian and negro bones and baskets. Reticules of grass. Assortment of knives for the Levant trade. Other cutlery, razors, dressing-cases. Two piano-fortes : a 7-octave rosewood piano-forte, curved ; a 6½-octave rosewood piano-forte, with Coleman's Æolian attachment. Japanned calf-leather, for boots and shoes.
OASTLER and PALMER .. .. .	England : Bermondsey .. .. .	A large assortment of enamelled and varnished leather and crop butts	16	Geological prints on clay. Specimens of freestone. Yellow and burnt ochre. Mineral paints. Coal. A fossil-tree. Shell, mari, and lime. Iron ore, and other mineral specimens. Samples of cod-liver oil. Chemical preparations. Maple sugar in dry state, pulverized, and in syrup. Samples of wheat grown by Indians, and of the grain of the barley. Sample of maple sugar. Preserved fish. Red and harn. Bacon, &c. wheat, straw, and oats. Indian corn. Bird's-eye maple, veneered. Specimens of woods : curled maple, and bird's-eye maple. Young seal-bird, grey and white oak, and red maple. Collection of botanical specimens. Specimen of human bones (Indian). Samples of hay-seed, moose-heads, and horns ; cat bones. Collection of botanical specimens. Specimens of preserved animals, birds, and insects. Skins of wild cat, red, cross, black, silver, and white fox, American hare, martin, mink, raccoon, otter, beaver, bear, wolf, weasel, squirrel, flying squirrel, silver-grey fox, martin, musquash ; raccoon and three skin sleigh-ropes. Two iron castings. One Indian canoe, and three paddles. Sample of French home-spun grey, green, striped, and plaid cloth. Check home-spun plaid cloth and brown cloth. Two shawls. Quilts, blankets, woollen hearth-rugs, &c. Woollen vest, socks and mitts, assorted. Pairs of fine and coarse-pegged boots. Shoe-lasts. Snow-shoes, with mocassins. Grass bonnets and hats. Down hat, muff, victorine, and cuffs. An Indian dress, cradle, chairs, seats, mats, cigar-cases, and other Indian work. Map of Nova Scotia, and hand-book. Book of music. Piano, in case of bird's-eye maple. Soap and candles. Eel-spear and fishing-rods. Indian fan, reticule, hood, purse, and mocassins. Indian and negro bones and baskets. Reticules of grass. Assortment of knives for the Levant trade. Other cutlery, razors, dressing-cases. Two piano-fortes : a 7-octave rosewood piano-forte, curved ; a 6½-octave rosewood piano-forte, with Coleman's Æolian attachment. Japanned calf-leather, for boots and shoes.
OMES J. F. . . . .	England : Lichfield .. .. .	Improvements as applied to cornets	10a	Geological prints on clay. Specimens of freestone. Yellow and burnt ochre. Mineral paints. Coal. A fossil-tree. Shell, mari, and lime. Iron ore, and other mineral specimens. Samples of cod-liver oil. Chemical preparations. Maple sugar in dry state, pulverized, and in syrup. Samples of wheat grown by Indians, and of the grain of the barley. Sample of maple sugar. Preserved fish. Red and harn. Bacon, &c. wheat, straw, and oats. Indian corn. Bird's-eye maple, veneered. Specimens of woods : curled maple, and bird's-eye maple. Young seal-bird, grey and white oak, and red maple. Collection of botanical specimens. Specimen of human bones (Indian). Samples of hay-seed, moose-heads, and horns ; cat bones. Collection of botanical specimens. Specimens of preserved animals, birds, and insects. Skins of wild cat, red, cross, black, silver, and white fox, American hare, martin, mink, raccoon, otter, beaver, bear, wolf, weasel, squirrel, flying squirrel, silver-grey fox, martin, musquash ; raccoon and three skin sleigh-ropes. Two iron castings. One Indian canoe, and three paddles. Sample of French home-spun grey, green, striped, and plaid cloth. Check home-spun plaid cloth and brown cloth. Two shawls. Quilts, blankets, woollen hearth-rugs, &c. Woollen vest, socks and mitts, assorted. Pairs of fine and coarse-pegged boots. Shoe-lasts. Snow-shoes, with mocassins. Grass bonnets and hats. Down hat, muff, victorine, and cuffs. An Indian dress, cradle, chairs, seats, mats, cigar-cases, and other Indian work. Map of Nova Scotia, and hand-book. Book of music. Piano, in case of bird's-eye maple. Soap and candles. Eel-spear and fishing-rods. Indian fan, reticule, hood, purse, and mocassins. Indian and negro bones and baskets. Reticules of grass. Assortment of knives for the Levant trade. Other cutlery, razors, dressing-cases. Two piano-fortes : a 7-octave rosewood piano-forte, curved ; a 6½-octave rosewood piano-forte, with Coleman's Æolian attachment. Japanned calf-leather, for boots and shoes.
ODENT and Co. . . . .	France : Courtaim .. .. .	Variety of papers ; also for their paper called Animal Parchment	17	Geological prints on clay. Specimens of freestone. Yellow and burnt ochre. Mineral paints. Coal. A fossil-tree. Shell, mari, and lime. Iron ore, and other mineral specimens. Samples of cod-liver oil. Chemical preparations. Maple sugar in dry state, pulverized, and in syrup. Samples of wheat grown by Indians, and of the grain of the barley. Sample of maple sugar. Preserved fish. Red and harn. Bacon, &c. wheat, straw, and oats. Indian corn. Bird's-eye maple, veneered. Specimens of woods : curled maple, and bird's-eye maple. Young seal-bird, grey and white oak, and red maple. Collection of botanical specimens. Specimen of human bones (Indian). Samples of hay-seed, moose-heads, and horns ; cat bones. Collection of botanical specimens. Specimens of preserved animals, birds, and insects. Skins of wild cat, red, cross, black, silver, and white fox, American hare, martin, mink, raccoon, otter, beaver, bear, wolf, weasel, squirrel, flying squirrel, silver-grey fox, martin, musquash ; raccoon and three skin sleigh-ropes. Two iron castings. One Indian canoe, and three paddles. Sample of French home-spun grey, green, striped, and plaid cloth. Check home-spun plaid cloth and brown cloth. Two shawls. Quilts, blankets, woollen hearth-rugs, &c. Woollen vest, socks and mitts, assorted. Pairs of fine and coarse-pegged boots. Shoe-lasts. Snow-shoes, with mocassins. Grass bonnets and hats. Down hat, muff, victorine, and cuffs. An Indian dress, cradle, chairs, seats, mats, cigar-cases, and other Indian work. Map of Nova Scotia, and hand-book. Book of music. Piano, in case of bird's-eye maple. Soap and candles. Eel-spear and fishing-rods. Indian fan, reticule, hood, purse, and mocassins. Indian and negro bones and baskets. Reticules of grass. Assortment of knives for the Levant trade. Other cutlery, razors, dressing-cases. Two piano-fortes : a 7-octave rosewood piano-forte, curved ; a 6½-octave rosewood piano-forte, with Coleman's Æolian attachment. Japanned calf-leather, for boots and shoes.
ODEURS, J. M. . . . .	Belgium : Marlinne .. .. . France : 26 Rue Basse du Rempart, Paris .. .. .	Plough .. .. . Table service	9 23	Geological prints on clay. Specimens of freestone. Yellow and burnt ochre. Mineral paints. Coal. A fossil-tree. Shell, mari, and lime. Iron ore, and other mineral specimens. Samples of cod-liver oil. Chemical preparations. Maple sugar in dry state, pulverized, and in syrup. Samples of wheat grown by Indians, and of the grain of the barley. Sample of maple sugar. Preserved fish. Red and harn. Bacon, &c. wheat, straw, and oats. Indian corn. Bird's-eye maple, veneered. Specimens of woods : curled maple, and bird's-eye maple. Young seal-bird, grey and white oak, and red maple. Collection of botanical specimens. Specimen of human bones (Indian). Samples of hay-seed, moose-heads, and horns ; cat bones. Collection of botanical specimens. Specimens of preserved animals, birds, and insects. Skins of wild cat, red, cross, black, silver, and white fox, American hare, martin, mink, raccoon, otter, beaver, bear, wolf, weasel, squirrel, flying squirrel, silver-grey fox, martin, musquash ; raccoon and three skin sleigh-ropes. Two iron castings. One Indian canoe, and three paddles. Sample of French home-spun grey, green, striped, and plaid cloth. Check home-spun plaid cloth and brown cloth. Two shawls. Quilts, blankets, woollen hearth-rugs, &c. Woollen vest, socks and mitts, assorted. Pairs of fine and coarse-pegged boots. Shoe-lasts. Snow-shoes, with mocassins. Grass bonnets and hats. Down hat, muff, victorine, and cuffs. An Indian dress, cradle, chairs, seats, mats, cigar-cases, and other Indian work. Map of Nova Scotia, and hand-book. Book of music. Piano, in case of bird's-eye maple. Soap and candles. Eel-spear and fishing-rods. Indian fan, reticule, hood, purse, and mocassins. Indian and negro bones and baskets. Reticules of grass. Assortment of knives for the Levant trade. Other cutlery, razors, dressing-cases. Two piano-fortes : a 7-octave rosewood piano-forte, curved ; a 6½-octave rosewood piano-forte, with Coleman's Æolian attachment. Japanned calf-leather, for boots and shoes.

Japanned enamelled hides. Calf-skins and crop butts.  
 { Improved brass musical instruments : cornets, pisa-cor, Sax-horns, trumpet, Staffordshire horn.  
 Papers made by machine and by hand.  
 Double and single ploughs.  
 { Table-services in various styles. Tea-services, and other articles of silversmiths' work.



# DESCRIPTION OF ARTICLES EXHIBED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBED.
OERTLING, A. . . . .	Prussia : Berlin . . . . .	Balance . . . . .	10	Chemical balances, large and small, with weights. Hudley's sextants, Reflecting goniometer.
OFFERMANN, F. W. . . . .	Prussia : Ingenbrueck . . . . .	Fancy trouser goods . . . . .	12	Coloured buckskin.
OGEE, J. L. M. . . . .	France : 17 Rue Culture, St. Charline, Paris . . . . .	Fancy and common soaps . . . . .	29	Household and toilet soaps, and perfumery.
OGLEBY, CHARES, and Co. . . . .	England : Lambeth . . . . .	Stearic, sperm, and composition candles . . . . .	29	Spermaceti and stearine specimens.
OPICZ and CHAZELLE . . . . .	France : 83 Rue Richelieu, Paris . . . . .	Embroidered silk . . . . .	20	Ready-made articles for ladies. Rich Lyons silk embroidered fabrics.
ORBAN, J. M. and Son . . . . .	Belgium : Liege . . . . .	Sheet iron . . . . .	1	Shawl.
ORDUNA, V. . . . .	Spain : Valencia . . . . .	Danasks, velvets, and other silks . . . . .	13	Sheet-iron, wheel tires, and laminated bars of iron, prepared with wood.
ORGAN, J. . . . .	England : Penzance . . . . .	Font, obelisk, &c., of serpentine marble from the Lizard, Cornwall . . . . .	27	Samples of silk stuffs for draperies. Brocatel. Dress pieces of Chinese and damasked gros. Velvet. Waistcoats of fancy velvet. Damasks, velvets, square pattern.
ORSI and ARMANI . . . . .	England : 6 Guildhall Chambers . . . . .	Metallic lava, and various articles in cement . . . . .	27	Baptismal font, obelisks, vases, cabinet of specimens, &c., of serpentine marble, from the Lizard, Cornwall.
OSLER, F. and Co. . . . .	England : London and Birmingham . . . . .	Glass, various—novelty of design . . . . .	24	{ Metallic lava pavement, ornamental slabs, and table in the Moorish style. Modern Venetian stucco. Stone with marble-like polish.
OSWEGO STARCH FACTORY . . . . .	America : Oswego, New York . . . . .	Starch . . . . .	4	Candelabra (a pair), in richly cut crystal glass, carrying fifteen lights, each eight feet. Crystal glass candelabrum, supported on three griffins, in frosted glass. Large table candelabra, in crystal glass, with prismatic shaft. Large lustres, richly mounted, with crystal prisms. Busts of her Majesty and Prince Albert. Shakspeare, Milton, Scott, and Sir Robert Peel, in frosted glass. Large fountain, in cut crystal glass, twenty-seven feet high.
OUARD and BOURCHEROT . . . . .	France : 42 Rue des Lombards, Paris . . . . .	Preserved fruits . . . . .	29	Samples of starch, manufactured from Indian corn.
OURSAMP, the Company of (Peigné Delacourt, manager) . . . . .	France : 14 Boulevard Poissonnière, Paris . . . . .	Bleached Madapolams . . . . .	11	Fruits preserved with steam, and confectionary.
OUTRIDGE, J. . . . .	British Guiana . . . . .	Collection of woods . . . . .	4	{ Cotton spinning ; weaving of thick calicos, called Cretonnes and Madapolams.
OVERMAN and DEVEIGNE . . . . .	Belgium : Tournai-Savonnerie . . . . .	Carpets . . . . .	19	Transverse and vertical sections of the saka or bastard purple heart-wood ; of the itabali ; of the wadadwei, or monkey-pot tree ; of the hyacobailli, or zebra wood ; of the hibaderi ; of the simiri (a locust tree) ; of the townoneroo, or bastard bully-tree ; of the Marisballi ; all from the banks of the Demerara River, and most of them furniture woods.
OWRAM, R. and Co. . . . .	England : 13 Watling-st. . . . .	Figured and chequered cambrics . . . . .	11	Carpet worked by hand. Imitation of a Smyrna carpet, worked by hand. Wilton carpets. Velvet carpets.
OXLAND, R. . . . .	United Kingdom . . . . .	Separation of wolfiam and tin . . . . .	1	Brocaded cottons, and cotton damasks. Satin brocades, and plush aprigted muslins.



DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
PADDOX and FORD..	England : Gray's-inn-road	Gas-meter .. .. .	22	Wet gas-meter.
PAGSY — .. .. .	France : Bayeux, Calvados	Point lace shawl and scarf	19	Lace and embroidery.
PAILLARD, E. . . .	France : 16 Rue de Grand Chan-	Copper and zinc frames for	23	Mirrors with copper and zinc frames. Various objects in zinc, in imi-
PAILLARD, V. . . .	France : 3 Rue St. Claude, au Marais	mirrors, &c. . . . .	93	tation of bronze.
PAINE, J. M. . . .	England : Farnham	Gift bronzes .. .. .	23	Bronzes, clocks, candle-lamps.
PAIS, A. . . . .	Prussia : Berlin	Gilding's hops .. .. .	29	Samples of chocolate, white-bines and true Gilding hops.
PALMING, W. . . .	England : Painswick	Tallow oil and palm soap ..	29	Tallow-oil and palm-soap. The tallow used in these articles of Prussian
		Billiard cloths, and scarlet	12	Products of the palm-oil imported from Liverpool.
		hunters, or milled cloth	12	Double-milled scarlet hunter, double-milled cloths. Fine single-milled
			12	scarlet, brilliant cloths.
PALMER and Co. . . .	England : Clerkenwell	Candle lamp .. .. .	22	Candle lamps. Weather lamps to burn candles for warehouses, stables,
			10c	and out-buildings.
PALMER, B. F. . . .	America : Philadelphia	Artificial leg .. .. .	22	Artificial leg, made on a new principle; the tendon Achilles, flexor and
PALMER, J. L. . . .	France : 18 Rue Montmorency, Paris	Drawn wire .. .. .	22	extensor muscles.
PAISGRAVE, J. T. . .	Canada : Montreal	Printing types .. .. .	17	Specimens of drawn wire; welding.
PANSA and HAUSCHILD	Saxony : Chemnitz	Four-thread & other num-	11	Case of types.
PAOLETTI, F. . . .	Tuscany	bers of knitting cottons ..	3	Knitting cotton yarn of various numbers and qualities.
PAGE, J. H. . . . .	France : 19 Rue des Bonnes En-	Macaroni, vermicelli, &c. .	10a	Pondera stiff wheat for Italian pastes, from the plains of Pisa. Spec-
	fans, Paris	Certain improvements in	10a	imens of superfine Italian pastes; console grand ditto; square and
PAPI, Clement	Tuscany : Florence	piano fortes .. .. .	22	Square and console piano-fortes; grand piano with patent action and im-
		Basket of flowers, cast from	22	proved sounding board.
		nature .. .. .	22	hexagonal table piano; grand piano with patent action and im-
			19	Basket of flowers, taken from nature in one cast, with the stand also
PANDOE, HOOMANS, & PANDOE	England : Kidderminster	Velvet pile carpets .. ..	19	from nature, and in a single piece; the whole composed and cast by
PARENT, — .. .. .	France : 33 Rue des Arcis, Paris	Scales .. .. .	5	the exhibitor.
PAPIS, E. . . . .	England : Bercy	Galvanized sheet of iron, &c.	22	Whytock's tapestry carpeting; the colours printed on the worsted be-
PARIS CHOCOLATE COMPANY	France : 252, Regent-street	Chocolate and syrups ..	29	fore it is woven. Berlin rugs.
PARKER and SONS ..	England : Northampton	General excellence of boots	20	Weighting-scales, weights and measures.
PARKER, J. . . . .	Ireland : Dublin	and shoes .. .. .	20	Samples of galvanised iron sheets; enamels in a rough state.
PARKES, H. W. . . .	England : Strand	Boots, strong and light ..	20	Chocolate.
PARKINSON and PRODSHAM..	England : 4 Change-alley	Locks .. .. .	10b	Boots and shoes, all made of Irish materials.
		Chronometers and watches	10b	Shawl lock.
PABLANI, E. . . . .	Tuscany : Borgo a Buggiano	A piece of embroidery ..	4	Astronomical clock with mercurial pendulum, eight-day chronometer,
PALLETI and Co. . . .	Cajlon : Colombo	Oils .. .. .	19	lever watches, pocket chronometers.
PARENTIEL, P. . . .	Belgium : Iseghem	Fine linen of mill-spun	14	Very elaborate embroidery, framed in tapestry.
		yarn, also handkerchiefs	14	Specimens of cinnamon, with essential oils extracted therefrom, with
			12	implements for cutting and peeling.
PAINOUR, DAUTREMEZ, and Co.	France : Elbeuf	Woolen cloths .. .. .	12	Pieces of unbleached flax-linen manufacture. White cambric hand-
			12	kerchiefs.
			12	Gentlemen's superior fancy articles, such as trousers, waistcoats,
			12	paletots, for winter and summer, of various colours.



# DESCRIPTION OF ARTICLES EXHIBITED.

Class.

## ARTICLES REWARDED.

## LOCALITY.

## NAME.

PARR, CURTIS, and MADELEY	England ; Manchester .. ..	Various machines for card- ing and spinning cotton; three self-acting mules; also various engineers' machine tools .. ..	6	{ Carding engine. Drawing frame. Slubbing and roving frame. Self- acting mules. Planing machine for metals. General shaping ma- chine. Slide and screw-cutting lathe. Drilling machine.
PARSONS, W. .. ..	England : Swaffham .. ..	Guns, rifles, and pistols ..	8	Improved double guns. Loading rod and socket.
PARTIDGE, N. .. ..	England : Stroud .. ..	The dye of broad-cloths of side .. ..	18	{ Double colour woollen cloth, for officers' cloaks, dividing saloons in the East, curtains, &c. Army cloth, improved red.
PASSMORE, W. .. ..	England : 27 Little Windmill-st. England : 141 Strand .. ..	A set of single-horse harness Clarionets and brass instrmts.	16	Single-horse harness, with improved hames and furniture.
PATEK, PHILIPPE, and Co. ..	Switzerland : Geneva .. ..	Chronometers and watches, &c.	10a	Brass horns with valves, French horn, trombones, trumpets, ophicleide, euphonium, cornet-a-pistons, clarionets, flutes.
PATENT SHAFT & AXLE TREE COMPANY .. ..	England : Wednesbury .. ..	Railway carriage and other axles .. ..	10b	Chronometers, watches, repeaters, &c., new winding-up by the pendant.
PATENT POINTED SCREW COMP.	England : Wolverhampton ..	Pointed screws cast out of malleable iron .. ..	5	{ Railway carriage and other axles, with illustrations of the processes of manufacture. Link for suspension bridges, rolled into form at one heat.
PATON, J. and D. .. ..	Scotland : Tillicoultry, Alloa ..	Collection of tartans .. ..	22	Pointed screws cast out of malleable iron, which can be driven into wood without boring holes.
PATOUX, DUBAN, and Co. ..	France : Aniche .. ..	Glass .. ..	15	Fancy wool tartan. Long wool fancy shawls.
PATRIAU, C. .. ..	France : Rheims .. ..	Vestings of cashmere .. ..	24	Window glasses of every description. Blown glass. Chemical pro- ductions.
PATTAK, G. .. ..	Austria : Hermannstadt .. ..	Brushes .. ..	15	Woolen and cotton fabrics, for waistcoats; cloaks.
PATTERSON, JAMIESON, and Co.	Scotland : Glasgow .. ..	Imitation of Madras hand- kerchiefs .. ..	28	Horse-brush. Cloth and hair-brushes.
PATTERSON, J. .. ..	Canada : Dundas Mills .. ..	Blankets .. ..	11	Ginghams and handkerchiefs; fabric all cotton, hand-woven or printed.
PATULE-LOTTIN, SENDORN, SIEBER, and Co. .. ..	France : Coteau .. ..	Merinos, draps d'été, mous- seline-de-laines, barèges, and chalis, including also the award for yarns	12	Six pair of blankets. An assortment of woollen cloths.
PAULAN, — .. ..	France : 356 Rue St. Honoré, Paris	Safes and locks .. ..	22	Pure wool, and woollen and silk fabrics. Barege, muslins, merinos, summer materials.
PAULAKAY, J. .. ..	Turkey : Broussa .. ..	Silk .. ..	4	Safes and locks of various kinds.
PAWSON, T. Son, & MARTIN	England : Leeds .. ..	Woolen cloths .. ..	12	Silk spun by the flanda of Paulakay at Broussa.
PAYES, A. R. jun. .. ..	France : 18 Boulevard St. Denis, Paris .. ..	Jewellery and allagare ..	23	Specimens of cloths, piece-dyed, woaded colours.
PAYNE, H. .. ..	England : Haleshead .. ..	Revitt wheat .. ..	29	Gold jewellers for exportation.
PAXSON, GADWELL, and Co.	America : New York .. ..	Soap .. ..	23	Articles of grain.
PEACE, Joseph and Co. .. ..	England : Sheffield .. ..	Saws .. ..	27	Saws ornamented in a new style, large circular saw.
PEARCE, W. .. ..	England : Tunstall .. ..	Tinware and other objects, in terro-metallic .. ..	27	Terro-metallic roof tiles, briques, drain pipes, &c. Imita- tion of the Warwick vase in ferro-metallic.



DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
PEARCE, W. . . . .	England : Truro . . . . .	Cornish granite and serpentine goods . . . . .	27	Tables, candelabra, vases, pedestals, tazzas, &c., of Cornish granite, porphyry, steatites, and serpentines.
PEASE, H. and Co. . . . .	England : Durlington . . . . .	Cobourg cloths, single and double twills, worsted and cotton warp, including also the award for yarns . . . . .	12	Specimens of worsted manufacture from the fleece to the finished cloth. Pieces of Cobourg cloth, made of Lincolnshire, Cherviot, Southdown, Australian, and Saxony wool.
PELL and Co. . . . .	Russia : Diven . . . . .	Woollen cloths . . . . .	12	Wool-dyed cloth ; blue, Grecian, olive, and royal blue. Raw material. Silesian wool.
PELAYO SAN (Oviedo) the Nunnery of . . . . .	Spain . . . . .	Preserved fruits . . . . .	29	Preserved fruits.
PELLEIAN'S Heirs . . . . .	Austria : Hohenelbe . . . . .	Fine linen of hand-spun yarn . . . . .	14	Linens, yarns, hand-spun. Linen of different kinds, grass-bleached. Pocket handkerchiefs.
PELLEIER, C. . . . .	Algeria : Kaddous . . . . .	Cottons . . . . .	4	White cotton.
PELLATT, Apsley, and Co. . . . .	England : Holland-st., Blackfriars . . . . .	Cut glass, &c. . . . .	24	A highly refractive cut-glass centre chandelier, 24 feet long ; also a large chandelier of white, ruby, and blue glass in style of Alhambra, and nine other variously ornamented chandeliers. A group of candelabra, richly cut crystal dessert services, Anglo-Venetian gilt and frosted glass, engraved glass vases and plates, medical glass, canco incrustations, and models and specimens of flint glass, with illustrative specimens.
PELLOUZ, BRENTANO, and Co. . . . .	Bavaria : Augsburg . . . . .	Silk . . . . .	4	Patterns of silk cloth, with gold and silver, for furniture and church apparel. Patterns of various stuffs and cloths, manufactured from Bavarian silk. Specimens of salt silk.
PELTEREAU, Auguste . . . . .	France : Châteaurenault . . . . .	Sole leather . . . . .	16	Raw hides. Smooth cow-skins. Smooth ox and cow-skin cuttings.
PELTEREAU, F. jun. . . . .	France : Châteaurenault . . . . .	Sole leather . . . . .	16	Various kinds of leather.
PENROSE, F. C. . . . .	England : 4 Trafalgar-square . . . . .	Helicograph . . . . .	10	Spiral compasses. Spiral helicograph.
PELOW, W. . . . .	England : Stamford . . . . .	Workmanship, and application of spring to boots . . . . .	20	Ladies' elastic button gaiter, side lace and cashmere boots, &c. Goloshed boots. Velvet carriage tie boots. Slippers. Silk elastic cloth, and button shoes.
PEREZ and Co. . . . .	Spain : Barcelona . . . . .	Inlaid wood table . . . . .	30	Octagonal table of inlaid wood, containing 3,000,000 pieces, in the arms of England alone, in a space of 3 inches by 2, consisting of 53,000. This branch of industry introduced by the Exhibitors.
PERKINS and BROWN . . . . .	America : Akron, Ohio . . . . .	Wool . . . . .	4	Sample of fine combing wool.
PERREAU, — . . . . .	France . . . . .	Dividing engine . . . . .	10	Dividing engine.
PERROT, E. . . . .	France : 14 Rue Vivienne, Paris . . . . .	Chocolate . . . . .	3	Various sorts of decorated chocolate.
PERROT, S., PEUT, and Co. . . . .	France : 12 Rue de la Bourse, Paris . . . . .	Flowers in cambrie . . . . .	29	Artificial flowers. Fancy feathers for dress. Gold, silver, and pearl embroidery.
PERAY, G. and Brothers . . . . .	Canada : Montreal . . . . .	Fire engine . . . . .	5	Fire-engine and hose-reel.
PERAY and Co. . . . .	England : 37 Red Lion-sq. . . . .	Metallic pens . . . . .	92	Various specimens of steel pens.
PERAY, John . . . . .	England : Leeds . . . . .	Wool-comb . . . . .	6	Double wool-combing machine.
PERAY, E. . . . .	England : Wolverhampton . . . . .	Japaned ware . . . . .	92	Specimens of iron ore, pig iron, bar and sheet-iron, block-tin, &c. Strong tin, planished, and japaned ware.
PESEL and MENUT . . . . .	France : 7 Rue Bourbon Ville-neuve, Paris . . . . .	Cashmere fabrics . . . . .	12	Samples of cashmere threads, Cashmere tissue cuttings.



NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
PETERHOFF, Imperial Porcelain Manufactory of ..	Russia : Peterhoff, near St. Petersburg ..	Jewelled casket, with bas-relief mosaic in pietra-dura ..	27	A table inlaid with various stones in Florentine mosaic, on a bronze gilt pillar.
PETERS and Sons ..	England : Park-st., Grosvenor-sq.	A park step-piece barouche highly finished, and with good taste ..	5a	Light park barouche, with lee and under springs.
PETIT and FRITZEN ..	Netherlands : Aarlerixtel ..	Bells with suspending apparatus ..	22	Cast bells for a chime, weighing about 2,500 kilogrammes, or 5,500 lbs. with a suspending apparatus.
PETT, CLEMENT ..	France : Boult ..	Merinos ..	12	Pieces of unbleached and dyed merino fabrics of fine quality.
PEYTON and HARLOW ..	England : Birmingham ..	Metallic japanned bedsteads ..	22	Improved metallic bedsteads, japanned to correspond with papier-maché.
PFERDMENGES and KLEINJUNG ..	Prussia : Viersen ..	Vestings ..	15	Stuffs for trousers and waistcoats. Fancy cashmeres. Satin checks. Buckskin, wool, and cotton. Stuff for trousers : linen and wool, and wool and cotton.
PHILIP, — ..	France : 16 Passage Choiseul, Paris ..	Tortoise-shell combs ..	28	Tortoise-shell bracelets, brooches, ornaments, circlets, and ring.
PHILIPPE and CANAUD ..	France : Ville-en-Bois, Nantes ..	Preserved fruits ..	29	Bottles and vessels of preserves, as meats, vegetables, fish.
PHILIPPINE ISLANDS, Economical Society of ..	Spain : Bisayas Island ..	Fibrous substances ..	4	Piece of Yloylo stuff. Various pieces for a blouse. Piece of Jusi, and a shawl of Jusi, both worked.
PHILLIPS, W. H. ..	England : 105 Leadenhall-st. ..	Fire annihilator ..	10	Street engine ; and a portable fire annihilator for extinguishing fire by gases and vapour.
PHILP and WHICHER ..	England : 67 St. James's-street ..	Cutlery ..	21	Cutlery and surgical instruments.
PICHAULT, G. F. ..	France : 46 Rue Dauphine, Paris ..	Cutlery ..	21	Oyster opener, saw-knife, shear-knife, and various articles of cutlery.
PIEPENSTOCK and Co. ..	Prussia : Hoerd, near Dortmund ..	Disc wheels and hollow axles ..	5	A tubular axle with two disc wheels for railway waggons.
PIERCE, W. ..	England : 5 Jernyn-street ..	Cottage grate ..	22	Chimney pieces of enamelled iron and alabaster. Pyro-pneumatic ventilating stove-grate, &c. Stove-grates and fenders with or-molu and silver ornaments. Cottage grates.
PIERIS, T. A. ..	Ceylon : Kandy ..	Collection of oils and gums ..	4	Gums and resins.
PILLISCHER, M. ..	England : 398 Oxford-street ..	Elliptic compass ..	10	Achromatic microscopes. Students' microscope. Opera glasses.
PIM, Brothers, and Co. ..	Ireland : Dublin ..	Collection of poplins ..	15	Irish poplins. Double tabinet, &c. Brocaded poplin.
PIS-BAYARD ..	France : Roubaix ..	Woolen cloths and damask worsted shawls ..	12	Woolen, satin and satin-de-chine cuttings for dresses, merino, shawls.
PIRANSEK, — ..	Russia : Odessa ..	Stearic candles ..	29	Stearine candles.
PIVER, L. T. ..	France : 103 Rue St. Martin, Paris ..	Toilet soaps and perfumery ..	29	Various kinds of soap, perfumed oils, grease, and alcohol.
PLAGNIOL, A. ..	France : 5 Rue Pastourel, Paris ..	Camera obscura ..	10	Spectacles. Ivory and polished opera-glasses. Daguerreotype [pictures].
PLAMBECK, C. F. H. ..	Hamburg ..	Inlaid table ..	26	Round sofa-tables, with inlaid work.
PLENTY, A. and E. F. ..	England : Newbury ..	Having exhibited .. good specimen of a life-hoast-table ..	8	A life-hoast, of wood and cork, lined with gutta-percha.
PLONDEUR, N. ..	Belgium : Liege ..	Best gun of wood-cuts and other printing ..	8	Guns and pistols ; guard for a gun.
PLON, Brothers ..	France : 50 Rue de Valenciennes, Paris ..	Printed books, albums, plans, almanacs, and engravings.	17	Printed books, albums, plans, almanacs, and engravings.



NAME.	LOCALITY.	ARTICLES REWARDED.	Class	DESCRIPTION OF ARTICLES EXHIBITED.
PLUCQUET, H.	Württemberg : Stuttgart	Taxidermy .. .. .	29	Groups of stuffed animals and birds. A stag hunt. Bear baiting. Nests of birds of prey. Hawks pouncing upon owls, &c. Groups of domestic birds, with their young
PLUMMER, R. . .	England : Newcastle-upon-Tyne	Scutching, heckling, and other flax machines ..	6	Machinery used in the manufacture of flax, hemp, &c. Raw materials and manufactures in illustration.
POCOCK and RAWLINGS	United Kingdom .. .	Woolen cloths, exhibited by Messrs. Barber, Howse, and Mead .. .	12	Super broad-cloths, Moscow and royal British beavers. Alpa Vicuna Royal shawl. Royal beaver shawl.
POIDEBAET, N.	Tuscany : Portico, near Florence	Organzines and trams ..	13	Raw silk from the exhibitor's spinning mills.
POILLAU, Brothers	France : Brest. . . . .	Cenotaph of greenstone basalt .. . . .	27	Cenotaph of granite.
POINSIGNON, —	France : 23 Rue Neuve St. Martin, Paris. . . . .	Imitation tortoise-shell combs .. . . .	28	Imitation tortoise-shell combs.
POINIER, P. . . . .	France : Châteaubriand ..	Self-coloured leather boots .. . . .	29	Water-tight boots and shoes, and gaiters for sportsmen.
POINIER, L. . . . .	France : 33 Rue du Faubourg St. Martin, Paris	Copying presses .. . . .	22	Copying presses. Presses for sealing letters. Autographic presses. Stamping machine.
POLAK, F. Mlle.	Belgium : Brussels .. .	Black lace flouncings, &c. .	19	Drawings for Brussels lace scarf. Designs for black lace flouncers.
POLIAKOFF and ZAMIAVIN	Russia : Moscow .. . .	Organzines and trams .. .	13	Silver glassett. Watered silk.
POLLOCK, J. . . . .	Scotland : Glasgow .. .	A very perfect set of Scotch harness .. . . .	16	Complete set of Scotch horse harness.
POLYCARPO, A.	Portugal : .. . . .	A case of surgical instruments .. . . .	10c	Surgeons' instrument box.
POMMEREAU SMELTING COMPANY the, . . . .	Belgium : Pommerocul ..	Quality of iron .. . . .	1	Cast-iron for moulding, four numbers. Grey, mottled, and white cast-iron for refining.
PONONAREFF, Mme. .	Russia : Khamounitsky-Viatka	Sheet and other iron .. .	1	Sheet, oxidised, and boiler plate-iron.
PONSON, C. . . . .	France : Lyons .. . . .	Plain silks .. . . .	13	Plain silks of various colours.
PONTIFEX and WOOD	United Kingdom .. . .	Tartaric and citric acids ..	2	Various chemicals, including crystals of nitric acid, tartaric acid, sulphate of copper, Rochelle salts.
POOK, S. M. . . . .	America : .. . . .	Ships of war .. . . .	8	Ships of war. W. Darton was included in this award for merchant vessels.
POOLEY, H. and Son	England : Liverpool .. .	Weighting machine .. . .	5	Locomotive engine weighting tables, with drawings, &c. Drawing of an engine for weighing canal boats and their cargoes, &c. Drawings, in plan and detail, of the first large establishment in England, of baths and wash-houses for the poor, erected by the Corporation of Liverpool, 1845—6.
POPE, W. and Son ..	England : Edgware Road, and Lisson Grove .. . . .	Four-horse power oscillating cylinder, direct-acting steam-engine .. .	5	Improved oscillating cylinder steam-engine.
POPE, J. . . . .	America : Tennessee .. .	Cotton .. . . .	4	Specimens of ginned cotton.
PORTGAL ROYAL TOBACCO & SNUFF COMPANY	Portugal : .. . . .	Cigars and snuff .. . . .	3	Cigars and cigarettes of various kinds. Cut tobacco leaves. Snuff.
POTTON, REMBAUD, and Co.	France : Lyons .. . . .	Assortment of rich figured silks, and a woven picture of her Majesty, Prince Albert, & Prince of Wales .. . . .	13	Figured silk stuffs. Damask cravats. Mounted parasols.



# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	
POTTS, W. . . . .	England : Birmingham . . . . .	Bronzes and lacquered lamps, &c. (and special approbation) . . . . .	22	{Bronzed and lacquered gas lamps, chandeliers, lanterns, candelabra, girandoles, glass frame, clock stands, epergnes, &c. Picture supporting moulding. Spun lend for horticulture and nurserymen. Chandeliers, shrines for relics, lamps, monstrances, trays, ewers, chalices.
POTTER, J. F. . . . .	France : 12 Rue Pierre Levee, Paris . . . . .	Spun lead . . . . .	1	
POSSIELEQUE-RUSAND, P. . . . .	France : 34 Rue Castelle, Paris . . . . .	Church service . . . . .	23	
POUYER, (Quertier fils) . . . . .	France : Rouen . . . . .	Apparatus by which any number of movers may be connected or disconnected at pleasure . . . . .	5	{Apparatus available for a 40-horse power, by which any number of movers may be connected or disconnected at pleasure. Painted and pressed glass for windows. Glass pipes with joint. Chandelier and glass pump, with the same joint. Epergne. Glasses for scientific purposes.
POWELL and SONS . . . . .	England : Whitefriars . . . . .	Fine crystal glass . . . . .	24	
POWERS and WIGHTMAN . . . . .	America : Philadelphia . . . . .	Chemicals . . . . .	2	{Statue of the Greek slave. Ladies' and gentlemen's gloves of kid, lamb, and sheep-skin. Gentle-men's gloves of rein-deer leather.
POWERS, Hiram . . . . .	America : . . . . .	Statue of the Greek slave, in marble . . . . .	30	
PRAGUE GLOVERS' ASSOCIATION . . . . .	Austria : Prague . . . . .	Gloves . . . . .	20	{Ivory veneer. Moveable steps for tidal rivers. New self-acting trap for street drains.
PRATT, JULIUS, and Co. . . . .	America : . . . . .	Ivory veneer . . . . .	28	
PRATT, Major . . . . .	England : Hungerford Market . . . . .	Design for tidal steps . . . . .	7	{Various saddles. Harness. Apparatus intended for horse-riding. Brace of pistols, with carved and chased gold mountings. Five barreled pistols, charges fired separately.
PRAX and LAMBIN . . . . .	France : 9 Passage Basfour, Paris . . . . .	A varied collection of saddlery and harness . . . . .	16	
PRELAT, F. . . . .	France : 41 Rue de la Ferme, Paris . . . . .	Gilt arms . . . . .	23	{Specimens of flax. Spindles and flyers used in preparing, spinning, and doubling cotton, silk, worsted, woollen, and flax.
PRESTON, J. and Co. . . . .	Ireland : Belfast . . . . .	Flax . . . . .	4	
PRESTON, F. . . . .	England : Manchester . . . . .	Spindles and flyers . . . . .	6	{Articles of furniture. Photographs.
PRETOR, L. H. E. . . . .	France : 3, Rue Harlay, Au Marais, Paris . . . . .	Collection of inlaid furniture . . . . .	26	
PRETSCH, Paul . . . . .	Austria : . . . . .	Photographs . . . . .	10	{Specimens of candles, vegetable tallow, palm oil. Black and yellow calf-skins, for exportation.
PRICES' PATENT CANDLE CO., . . . . .	England : Vauxhall . . . . .	Invention of improved methods of distilling fatty bodies, and for candles made of distilled fat . . . . .	29	
PRIN, A., Jun. . . . .	France : Nantes . . . . .	Russet and black curried calf leather . . . . .	16	{Starch, known in Holland under the name of Urling's patent starch. Best Dutch starch.
PRINS, C. C. . . . .	Netherlands : Wormerveer . . . . .	Potato starch . . . . .	4	
PROSSER and HADLEY . . . . .	England : 20½ Clipstone-street . . . . .	Ornamental sawing machine . . . . .	6	{Ornamental sawing machine, capable of performing curvilinear cuttings, both in outline and perforation. Samples of tools and files.
PROUTY and Co. . . . .	France : Arnay-le-Duc . . . . .	Fine files . . . . .	21	
PROUTY and MEARS . . . . .	America : Boston . . . . .	Plough . . . . .	9	{A wrought-iron crucible made use of in mints. Window polished with ornamental ornaments. A rich terra-cotta vase on a gesticulated pedestal. Agnosticones of Italian-like contents.
PUGHANT, F. . . . .	Belgium : Cour St. Etienne . . . . .	Wrought-iron crucible and ornaments . . . . .	22	
PULHAM, J. . . . .	England : Broxbourne . . . . .	Terra-cotta . . . . .	27	



NAME.		LOCALITY.		ARTICLES REWARDED.		Class.	DESCRIPTION OF ARTICLES EXHIBITED.	
FULLMAN, R. W. and J.	..	England : 17 Greek-street, Soho.	..	Chamois leather of every description .. black	16	Specimens of oil leather in various stages of dressing.		
PURDIS, W. ..	..	Trinidad	..	Nutmegs, cloves, black pepper, and cigars, cocoa as prepared for the Spanish market	3			
PURDAY and FENDT..	..	England ; 74 Dean-street, Soho	..	A double bass (chiefly) and for four violins and two violoncellos ..	10a	Violins, violoncellos, double bass. To exhibit oil varnish equal to that on the Ormoua, an art supposed to have been lost.		
PURDY, C. W.	..	United Kingdom ..	..	Gothic ornaments..	22			Gothic ornament, of the decorated style, period fourteenth century.
QUARONNE, C. and J.	..	Belgium : Cureghem	..	Stearic candles ..	29	Eighty-eight parcels of stearic wax candles ; lump of stearine.		
QUERINI, Giovanni ..	..	Austria . Venice ..	..	Silk ..	4			Samples of raw silk.
RAMBOUILLET, National sheepfold of	..	France : Rambouillet	..	Wool. ..	4	Four fleeces of real merinos.		
RAMUS, J. M. ..	..	France : 33 Rue d'Orst, Paris..	..	Group in marble, Cephalus and Procris	30			Marble group.
RAND, John and Sons	..	England ; Bradford	..	Fabrics of wool, and wool combined with cotton and silk, including the award for yarns..	12	{ Cobourg cloths, cotton and worsted, the same with silk warp ; merinos, moreens, single and double twill ; several of the pieces, of the finest description of worsted goods.		
RANDOLPH, Wilhelmina	..	England : Westminster	..	Flowers of undyed feathers	29			{ specimens of plants and cut flowers, composed of feathers of various hues, without dye or tinting.
RANDOL, L. ..	..	France : Caen ..	..	White blonde founce scarf, &c... ..	19	White silk blondes ; scarf, overall, head-dress and whiskers. Large gold and silk lappets.		
RANGEL, A. P. ..	..	Portugal : ..	..	Wine cask ..	28	Wine cask.		
RANSAUER, A. ..	..	Switzerland : ..	..	Tartan and book muslin	11			Tartans and book muslins.
RANSOME and PARSONS	..	England : Ipswich	..	Artificial silica stone ..	27	Artificial stone and marble in its various stages of manufacture, and its applications.		
RANSOMES and MAY. .	..	England : Ipswich	..	Water-crane, Patent compressed trenails and wedges for railways. .	5	{ Barlow and Heald's railway turn-table. Wild's railway turn-table and switch. Barlow's iron-sleeper. Registered water-crane. Compressed trenails and wedges for railways. Compressed ship trenails. Leggett's Queen press, with self-inking apparatus. Chilled cast-iron pedestal, or axle bearing.		
RANSOMES and MAY..	..	As above ..	..	Leggett's Queen press with self-acting apparatus ..	6	As above.		
RANSOMES and MAY..	..	As above ..	..	Drop drill ..	9	Iron ploughs ; double-breast or moulding ploughs ; West India double furrow, universal, broad share, and subsoil ploughs ; trussed whipples-trees ; Biddell's scarifier ; Indian cultivator ; corn and seed-dropping machine ; portable steam-engine ; fixed steam engine ; thrashing machines ; cane-top cutter ; crushing mill ; oil-cake breaker ; barley awner ; chicory cutter ; Scotch cart.		



# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
RASCHLE and Co. . . . .	Switzerland : Watwill, Canton of St. Gall . . . . .	Imitation of Madras handkerchiefs, those with blue grounds especially good . . . . .	11	Handkerchiefs : Veronas, Madras, Indians, pailacats, muzzulipatams. Cottons, ginghams, cambrics.
RATZESDORFER, H. . . . .	Austria : Vienna . . . . .	Looking-glass . . . . .	23	A toilet glass of massive wrought and embossed silver, weighing 135 ounces.
RAU, and Co. . . . .	Wurtemberg : Göppingen . . . . .	Japanned tin-plate . . . . .	22	Various articles of japanned tin-plate and papier maché, several inlaid with mother-of-pearl, by a new process. Plated metal articles.
RAUCH, Brothers . . . . .	Wurtemberg : Heilbronn . . . . .	Variety of writing paper . . . . .	17	Fancy paper, which, by a process newly invented by the exhibitors, is coloured differently on the two sides of a single sheet.
RAVAGLI, P. . . . .	Tuscany : Marradi . . . . .	Silk . . . . .	4	Raw silk from the exhibitor's spinning mills.
RAYMOND and SCHÖYLER . . . . .	America : New York . . . . .	Flour (thirds) . . . . .	3	Barrel of flour, made from pure Genessee wheat. Keg of barley.
RAYBIRD, Hugh . . . . .	England : Andover . . . . .	Hybrid wheat . . . . .	3	Specimens of wheat produced by hybridization ; and of Hoptown and Piper's thickest wheat, from which the hybrids were obtained.
REA, E. . . . .	England : 117 Wardour-st. . . . .	Collection of resins . . . . .	4	Lac, lacquers, polish, varnishes, sealing-wax, gums.
READ, Rev. J. B. . . . .	England : Aylesbury . . . . .	Solid eye-piece . . . . .	10	Solid eye-pieces, for telescopes, micrometer.
READ, C. W. . . . .	India . . . . .	Paper hangings . . . . .	26	Paper hangings.
REALIER, Mlle. . . . .	Belgium : Brussels . . . . .	Brussels point lace handkerchiefs, &c. . . . .	19	Brussels point lace handkerchief, flax thread, ground worked by needle.
REHOW, J. Gurdon . . . . .	England : Colchester . . . . .	Wool . . . . .	4	Southdown sheep's-wool.
RECKLESS and HICKING . . . . .	England : Nottingham . . . . .	Shawls, &c. . . . .	19	White and black lace flounces, &c ; falls, shawls, &c. ; embroidered partly by machinery, and partly by hand.
REDFERN, G. . . . .	England : Ashwell . . . . .	Inlaid marble table . . . . .	27	Marble mosaic table.
REDIER, A. . . . .	France : 2 Rue de Châtelet, Paris . . . . .	Cheap watch alarums . . . . .	10b	Clocks and other instruments. Double chronometer used in the navy.
REED and MEAKINS . . . . .	Canada : Montreal . . . . .	Hard woods . . . . .	4	Planks of birch, cherry, pine, bird's-eye and curled maples, and butternut.
REEVES, GREAVES, & REEVES . . . . .	England : Birmingham . . . . .	Swords, and other side-arms, artificially embellished . . . . .	8	Officers' dress sabres and field swords.
REEVES and BRATTON . . . . .	England : Westbury . . . . .	Water drill, and liquid manure distributor . . . . .	9	Liquid manure distributing cart, and liquid manure drop-drill.
REGARD, Brothers . . . . .	France : Darbres . . . . .	Silk . . . . .	4	Cocoons, raw and wrought silk, for silk and plush stuffs.
REGOUT, P. . . . .	Netherlands : Maastricht . . . . .	Chandeliers (2 large and 2 small) . . . . .	22	Two large chandeliers ; two smaller in cut-glass, supported by gilt metal. A large vase of cut-glass. Glasses assorted. Glass conduit pipes.
REGOUT, P. . . . .	As above . . . . .	Tubing—table glass . . . . .	24	As above.
REICHENT, F. . . . .	Austria : Vienna . . . . .	Plain, figured, and moiré silks, for coloured satin and milled . . . . .	13	Silks ; gros de Naples ; gros grain ; gros d'Afrique ; Levantin and satin Turque.
REID, J. . . . .	Ireland : Dublin . . . . .	Fricze cloth and milled . . . . .	12	Irish frieze. Irish frieze wrappers.
REID, F. C. . . . .	England : 108 Strand . . . . .	Acoustic instruments for the deaf . . . . .	10c	New ear-trumpets. Acoustic chair, vases, telescopes, whispering tubes, domestic telegraph.
REINHARDT, G. . . . .	Canada : . . . . .	Acoustic instruments for the deaf . . . . .	3	Hans.



R. MACLE and PERARD REMYANT, EDMONDS, and REMYANT .. .. .	Belgium: Liege .. ..	Sheet iron .. ..	1	Several sheets of polished sheet-iron, prepared with wood.
REMOND, A. .. ..	England: Paternoster-row .. ..	A novel application of materials in bookbinding .. ..	17	Specimens of binding in morocco, velvet, Russia, and calf, elegant, plain, and antique. Sheep and cloth, plain and elegant.
RENDALL, J. .. ..	United Kingdom .. ..	Envelope machine .. ..	6	Self-feeding envelope machine, producing envelopes, folded, gummed, and embossed.
RESEIN, brothers .. ..	Scotland: Stromness, Orkney .. ..	Numerous collection of sporting and trade guns .. ..	28	Various samples of Tuscan plait for bonnets; the straws grown and dressed in Orkney, and plaited by the females.
REQUET and SILVENT REQUILLANT, ROUSSEL, and CHOCQUELL .. ..	Belgium: Liege .. ..	Fancy vest in velvet plush .. ..	8	Fowling pieces. Pistols.
REY and Co. .. ..	France: Lyons .. ..	Morquette or velvet carpet .. ..	13	Silks for waistcoats. Gileons, velvets, and silk trimmings.
REYDOR, P. G. Brothers, & COLIN .. ..	Spain: Talavera .. ..	Silk .. ..	19	Coarse and fine morquette, curtain and panel, &c. Specimens of [combed wool merinos.
REYNIER (Cousins) .. ..	France: 17 Rue Jean Robert, Paris .. ..	Cheap hous: clocks .. ..	4	Clocks. Regulators and kitchen jacks.
REYNOLDS, J. .. ..	France: Lyons .. ..	Velvets, gauzes, satins and taffeta handkerchiefs, collars, shawls, and scarfs, in excellent taste .. ..	10b	
RHIAN and VETTER .. ..	England: Birmingham .. ..	Cut nails .. ..	13	Neckerchiefs, shawls, scarfs, dresses, and parasols.
RHIND, W. G. .. ..	Russia: Warsaw .. ..	Collection of furniture and designs .. ..	22	Cut-nails, consisting of upwards of 200 distinct varieties of the most useful sizes, made of iron, zinc, brass, and copper.
	England, Ross, Herefordshire .. ..	Deck seat to form a raft. This can be readily formed into a safety raft capable of sustaining eight people .. ..	26	Paper. Paper-hangings. Table covers in oil-cloth. Pencils.
RICHARD, Louis .. ..	Switzerland: .. ..	Chronometers .. ..	8	(Model of marine life-preserving deck seat, so constructed that in three minutes it can be changed into a safety raft, capable of sustaining eight people on the water.
RICHARDS, Westley .. ..	England: Birmingham .. ..	Best guns and sporting guns .. ..	10b	Chronometers.
RICHARDSON, Brothers .. ..	Scotland: Edinburgh .. ..	Roll tobacco and snuff .. ..	8	Rifles, double tiger guns, punt guns, pistols, &c. Improved cork-screws, and carving forks.
RICHARDSON, Timothy & Sons .. ..	England: Southwark .. ..	Golding's hops, grown by Mr. Phillips of Offham, in Mid Kent .. ..	3	Tobacco, imported from Virginia into Leith, raw and manufactured.
RICHARDSON, J. N. Sons, & OWEN .. ..	Ireland: Belfast .. ..	Light shirting linen for export .. ..	3	Snuffs.
RICHARDSON, W. H. B., and J. RICHARDSON, C. J. .. ..	England: Stourbridge .. ..	Cut glass .. ..	14	(Golding hops, grown in The Hill, in Mid Kent, in East Kent, and in the heart of Mid Kent. Jones's hops, from Kent and Sussex.
	England: 2 Keppel-st., Russell-square .. ..	Carved box .. ..	24	Grape hops. Colgate hops.
		Wool .. ..	26	(Double damask table-cloths. Double damask cloth. Samples of Irish linens.
		Beet sugar .. ..	24	Cut and plain crystal glass; crystal cased with coloured glass. Opal cornelian, chrysolite, and Turkey glass ornamented in enamel colours.
		Plain satin ribbons .. ..	26	Carved oak frame and picture cornice. Table and stool. Designs for Elizabethan furniture, wall papers, mounted horn. Chromolitho-graphic prints.
R. GIES, F. .. ..	France: Gouxix .. ..		4	Two fleeces of rams of a pure breed, two years old.
RICHTER, ANTON, and Co. .. ..	Austria: Königsaal .. ..		3	Beet root sugar.
RICHTER, Linder .. ..	Switzerland: Bâle .. ..		13	Specimens of ribbons.



# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	
RICKETS, C. .. RIDDLE, W. ..	England : 5 Agar-street, Strand England : East Temple Chambers	Gas stoves .. .. Apparatus for extinguish- ing fire in ships, signal lamps, &c. .. ..	22 22	Apparatus for cooking, &c., by jets of coal-gas mixed with air, for chemists' use. Apparatus for extinguishing fire in ships. Ever-pointed pencils. Railway carriage, lighted by compressed coal-gas. Signal lamps, stopped canisters, latch and bolt union, suspensory couch, detec- tor bolt, railway buffet.
RIDGEWAY, John, and Co. ..	England : Newcastle-under-Lyne	Earthenware .. ..	25	English porcelain table-service, tea and coffee service, improved fine earthenware, lawn fountains, and conservatory fountains. Spec- imens of staircase. Drab stone pottery. Hollow bricks. Model kiln for burning pottery.
RIEGO DE LA BRANCHARDIERE, E. Mlle. .. ..	England : New Bond-st.	Crochet work frock, berthe &c... ..	19	Crochet work. Flounces, imitation of Spanish point lace. Design in silk and gold for prayer-book cover.
RIER, Peter .. .. RIETSCHER, Ernst .. ..	Russia : Tauride .. .. Saxony : Dresden.. ..	Silk .. .. Plaster group, La Pieta ; Bas reliefs in marble ..	4 30	Raw silk. { Sculptures: the Christangel, relievo, Carrarian marble ; Cupid mounted on the back of a panther, relievo, Carrarian marble ; Maria kneeling at the dead body of Jesus Christ, full size group, in plaster-of-Paris. Chronographers and watches.
RIEUSSEC, N... ..	France : St. Mandé .. ..	Watch with printing second hand .. ..	10b	
RIGBY, W. & J. .. ..	Ireland : Dublin .. ..	Guns, pistols, and rifles, and barrels of Damasque	8	Guns and rifles, double and single. Rifle and revolving pistols. Parts of guns in unfinished state.
RIGBY, E. R. .. .. RIGMAIDEN, Lient. J., R. N.	England : 80 Gracechurch-st. .. England : 6 Harley Place ..	Brushes .. .. Model of improved mode for setting up the stand- ing rigging of a ship.	28 8	Specimens of brushes, manufactured from quills, as useful and dura- ble as bristles. Model of lanyard-plates, to set up standing rigging of ships, in lieu of rope lanyards and dead-eyes.
RIGNON, F. and Co. .. RINGUET-JERANCE, E. .. RIPALDA, Count .. .. RIPLEY and Sons .. ..	Sardinia : Savigliano, Saluzzo .. France : 9 Rue Caumartin, Paris Spain : Valencia .. .. England : Bradford .. ..	Organs for satins .. .. Carved cabinet for medals Hemp .. .. For the dye of Orleans and Cobourg cloths mixed of cotton and wool .. ..	13 26 4 18	Decorative fur- niture, [miture, Orleans and Cobourg cloths. French de-laines and merinos, ombré damasks and alpaca, and balzarine brocades. Damask table cover. Plain balzarines, all exhibited as specimens of dyeing.
RIPLEY, P. W. .. ..	China : Canton .. ..	A large assortment of teas of the finest quality .. ..	3	A collection of the various teas exported from Canton, in chests, preserved animal and vegetable substances,
RITCHIE and MCALL, RIVAIT and ANDRIEUX	England : 137 Hounsditch France : 1 Rue de Normandie, Paris	Preserved meats .. .. Furniture inlaid with porce- lain .. ..	3 26	Furniture inlaid with porcelain. Specimens of bookbinding.
ROBIERE, R. .. .. ROBE, J. .. ..	England : 28 Great Queen-st. Canada : Montreal .. ..	Bookbinding .. .. Biscuits .. ..	17 3	Box of biscuits. Plate, small ingots, pieces and ingots, forged in brass. Ingots of pure
ROBERT, A. and Co. .. ROBERT-NETLEY and Co. .. ROBERTS, W. and Co. .. ROBERTS, R. .. ..	France : La Villette .. .. France : Bar-le-Duc .. .. Scotland : Glasgow .. .. England : Manchester .. ..	Roll of tin-foil, &c... .. Corsets .. .. Tweed .. .. Turret-clock, and watch- plate drilling machine .. ..	22 20 12 10b	Seamless stays, a new system. Piece of Scotch tweeds. Alpha church or turret clock, with compensation pendulum and re- monitor escapement, which will run for water seconds, and clock work, which beats dead seconds, with only one train of wheels, &c. Recorder watch, with double hands.



DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
ROBERTSON, J. and I.	Scotland : Paisley ..	Shawls .. .. .	15	Coloured woven harness. Wool plaids and shawls. Coloured printed plaids and shawls, in barège, and cushman d'Ecosse.
ROBERTSON, CARB, and STEEL	England : Sheffield ..	Stove grates .. ..	22	Ornamental cast-iron mantelpieces, drawing-room and other grates, fenders, and sets of polished fire-irons.
ROBINSON, Brothers, and Co.	France : Givors ..	Crown glass .. ..	24	Window glass of various colours.
ROBINS, ASPLIN, and Co. ..	England : Northfleet ..	Illustrations of Portland cement .. .. .	27	Illustrations of Portland cement, to show the strength for making sandings, cills; paving, &c. Illustration of its comparative strength.
ROBINSON, and Co. ..	England : 12 Mount-st., Grosvenor-square .. ..	A park phaeton, very neat and an excellent piece of work .. .. .	5a	Britannia phaeton of new design, with registered lock or wheel-plate.
ROBINSON, J. and W. and Co.	England : 3 & 4 Milk-st. ..	A variety of satins, serges .. .. .	13	Velvets for pulps, and for waistcoats. Black armazines for robes. Figured silks and satins.
ROBINSON, J. and R. and Co.	England : 30 Milk-st. ..	Velvets, plush, &c. black armazines, silks and satins for cravats .. ..	13	Velvets for pulps and vestings. Armazines for robes. Figured silks and satins for dress and vests. Figured silk manufactures for fancy purposes, as a memento of the Exhibition.
ROBINSON, J. and T.	England : Spitalfields ..	Black and coloured velvets .. ..	13	Black and coloured velvets.
ROBINSON, P. ..	America : Richmond, Virginia ..	Cavendish tobacco .. ..	3	Specimens of manufactured tobacco.
ROBINSON, T. ..	England : Dewsbury ..	Blankets .. .. .	12	Three-points Mackinaw, super-merino, merino bath, and resed blankets!
ROBINSON, Thomas ..	United Kingdom ..	Lace curtain .. ..	19	Lace curtain.
ROBINSONS and RUSSELL ..	England : Mill Wall Works ..	Large steam sugar-cane mill .. ..	6	Portable steam sugar cane mill.
ROBINSONS and RUSSELL ..	As above .. ..	Models of steam-boats, designed and built by them .. ..	8	Models of steam boats.
ROCHATZ, C. and Co. ..	Prussia : Mulheim-on-Ruhr ..	Zinc and its preparations .. ..	1	White zinc, intended as a substitute for white lead. Samples of roasted zinc ore and spelter ; of zinc ores and rolled zinc. The raw materials from native mines.
ROCHER, M. ..	France : Nantes ..	Distilling and cooking galley .. ..	8	Apparatus for distillation. Sub-marine condenser.
ROCK and Son ..	England : Hastings ..	Patent Diaropha, very ingenious as regards the shifting, and well shaped .. ..	5a	Diaropha, combining a Clarence or piletum coach, a barouche, and an open carriage. Pony carriage.
ROCK and GRANER ..	Wurtemberg : Biberach ..	Toys .. .. .	29	Toys of tin and iron plate, brass, and papier-maché. Carriages, countries, mountains, chapels, hermitages, mills, ships.
ROCKSTROFF, H. ..	Austria : Vienna ..	Specimens of waistcoatings .. ..	15	Waistcoatings of wool and cotton.
RODEL and SONS ..	France : Bordeaux ..	Models of improvements in form of anchors .. ..	29	Preserved food.
RODGE, Lieut. W. ..	England : Chelsea ..	Cutlery .. .. .	8	Small palmed anchors, with improved iron stock.
RODGERS, J. and Son ..	England : Sheffield ..	Painted table covers, &c. ..	21	Sportsman's knife, containing eighty blades and other instruments. Sportsman's knife, three-quarters of an inch long, containing fifty-six blades and other instruments. Specimens of table and pocket knives of all descriptions, razors, &c., showing the several stages of manufacture, from the raw material to the finished goods.
ROELLER and HUSTE ..	Saxony : Leipzig ..	Merino yarns .. ..	19	Oil-cloths, floor-cloths, partly varnished ; and oiled fustian.
ROGER, Brothers, and Co. ..	France : Trie-Château ..	Bedstead .. .. .	12	Assortment of woollen threads.
ROGERS and DEAR ..	England : St. George's Place, Hyde Park Corner ..		26	Renaissance bedstead in walnut-wood, carved. Ottoman coal sarco-phagus. Mahogany bedstead with washing apparatus.



NAME.			LOCALITY.		ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.	
ROGERS, G.	..	..	England : Bradford	..	Cobourg cloths in worsted and cotton	12	{ Cobourg cloth of fine quality; silk and cotton warp. A cradle covered in Turkey box-wood, symbolising the union of the Royal house of England with that of Saxe Coburg and Gotha. Samples of ultramarine, free from poison, or any admixture of other colouring substances.	{
ROGERS, W. G.	..	..	United Kingdom	..	Cradle carved in Turkey box-wood..	30		
ROUR, F.	..	..	Nassau : Wiesbaden	..	Ultramarine	2		
ROLLER and BLANCHET	..	..	France : 26 Rue Hauteville, Paris	..	Three pianofortes..	10a	{ Four pianos of various descriptions. A dress in imitation of Brussels's point lace in tambourine work. Corsage or pointe, made of diamonds and pearls, in three parts. Metallic writing slates, prepared after a new invention by the exhibitor.	{
ROLEH, J.	..	..	England : Coggeshall	..	Double-flounce scarfs, &c.	19		
ROMA, D.	..	..	Netherlands : Rotterdam	..	Setting of precious stones	23		
ROMETSCH, C.	..	..	Wurtemberg : Stuttgart	..	Metallic writing slates (special approbation)	22	{ Porcelain embossed dinner, dessert, and tea tripod épergne, flower vase, small coffee sets, clock-case, and flower-vase. Group of figures, &c., in Parian. Large porcelain egg-shell bowl. Design for timber viaduct of great span, suitable for railway or other purposes; the beams forming it interwoven like basket-work. Brass cauldrons.	{
ROSE, J. and Co.	..	..	England : Coalbrook Dale	..	China	25		
ROSE, J. T.	..	..	Scotland : Leith	..	Design for a timber viaduct of great span	7		
ROSE, Baron A. de..	..	..	Belgium : ..	..	Brass cauldrons, &c.	22	{ Watch and clock machinery. Wire cloth for paper makers. Gold and silver watches; the various parts of a lever watch in the progressive stages of manufacture. Daggers, trophies, hangers, &c., with reproduction of ancient frosted work, inlaid work, and fillagree. Wheat flour.	{
ROSKELL, J.	..	..	England : Liverpool	..	Collection of models and watches	10b		
ROSEWAG, A. and Son	..	..	France : ..	..	Wire-cloth for paper-makers	6		
ROTHERAM and Sons	..	..	England : Coventry	..	Collection of watches	10b	{ Sugar loaves, unrefined. Prepared flax, employed in hand and power looms. Brilliant and ruby bracelet, Holbein style. Brilliant and emerald stomacher brooch. Gold and enamel bracelet, with carbuncle and diamonds. Another in same style with figures. Shawl-pins, studs, brooches, &c., buttons, belt-plates, and sword furniture. Wire-loop brace buttons and eyelet-holes. Whip and stick handles.	{
ROTOUT, J.	..	..	France : Belleville..	..	Inlaid work..	30		
ROUSSANOFF —	..	..	Russia : Orel	..	Wheat flour	3		
ROUSSEAU, Brothers	..	..	France : 9 Rue de l'Ecole de Médecine, Paris..	..	Bect sugar	3	{ Models of various yachts. A bust in iron of the King of Spain as taken from the mould. Porcelain and biscuit: vases, goblets, pitchers, and flower-vases, with pictures and designs. Table services, for fruit. Plates, white biscuit statues, and subjects from Goethe's <i>Reinecke Fuchs</i> ; white biscuit statues, the district of Bavaria, after Schwanthaler; busts and statues of celebrated men.	{
ROUXEL, F.	..	..	France : St. Brieux	..	Flax	3		
ROWLANDS, C. and W.	..	..	England : 146 Regent-st..	..	Jewellery	23		
ROWLEY, —	..	..	England : Birmingham	..	Buttons	22	{ Models of vessels belonging to their club. Iron bust of King of Spain Porcelain	{
ROYAL THAMES YACHT CLUB	..	..	England : Isle of Wight..	..	Models of vessels belonging to their club..	8		
ROYAL ORDNANCE	..	..	Spain : Trubia	..	Iron bust of King of Spain	22		
ROYAL BAVARIAN PORCELAIN MANUFACTORY	..	..	Bavaria : Nymphenburg, near Munich	..	Porcelain	25		



NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBED.
ROYAL DANISH PORCELAIN MANUFACTORY .. ..	Denmark : Copenhagen .. ..	Porcelain .. ..	25	Ornamented and decorated vases ; decorated dessert-plates, and break-fast cups and saucers ; exhibited for style and cheapness. Figures, busts, and bas-reliefs in biscuit, after Thorwaldsen, subjects sacred, allegorical, and mythical. Decorated Etruscan vases, modelled after the antique, exhibited for manufacture.
ROYAL PRUSSIAN PORCELAIN MANUFACTORY .. ..	Prussia : Berlin .. ..	Porcelain .. ..	25	Vases, with paintings after Peter Vischer, Micris, Slingeland, Von Krieger, and Bellermann. Chandeliers of a green mass, with biscuit-figures upon a bronze socket, and pedestal of gypsum-marble, with nineteen bronze candlesticks, and bronze-lusters. Punch-bowl, with the painting of a drinking company, after Hogarth. Flower-vase, after Watteau. Octagonal dagger, of eight pieces, in lapis-lazuli ground.
ROYAL PRUSSIAN IRON FOUNDRY .. ..	Prussia : Berlin .. ..	Inlaid silver .. ..	23	Group of figures in cast-iron. The Warwick vase, gilt inside. The Athenian vase, with figures and handles, and gilt inside. The Alexander vase, the border decorated with reliefs after Thorwaldsen, representing Alexander's entry into Babylon, mounted with silver and gilt inside.
ROYLE, J. F. .. ..	India .. ..	Collection of animal, vegetable, & mineral substances	29	Collection of animal, vegetable, and mineral substances.
RUBAS and CO. .. ..	France : St. André de Valborgne .. ..	Silk .. ..	4	White and yellow raw silk.
RUBLAND, Ducal Foundry Inspection at .. ..	Prussia : Brunswick .. ..	Specimens of stereotype in iron, the Bible printed therefrom .. ..	17	Slabs of marble found near Rubeland, principally black, grey, and red. Can be obtained in blocks of nine feet in length, and five feet in breadth.
RUDALL, ROSE, and CO. ..	England : 38 Southampton-st. ..	A Rochem's patent flute ..	10a	Carte's flutes, in silver and wood. Boehm's flute. Improved ordinary flute.
RUEL, W. H. .. ..	England : Holborn .. ..	Crucibles .. ..	27	Crucibles for assaying.
RUEZ, L. .. ..	France : Cumbrai .. ..	Starches .. ..	4	Various sorts of starch.
RUFER & CO. .. ..	Prussia : Breslau .. ..	Zinc and zinc plate .. ..	1	An assortment of zinc plates, including two as thin as a sheet of paper. Zinc plates for files.
RUFIN, Alfred .. ..	Prussia : Rüstern, Liegnitz ..	Flax .. ..	4	Flax grown in Silesia, and swinged in the Belgian method. Heckled flax.
RUSSIA, Imperial Manufactories of .. ..	Russia : St. Petersburg, Olonetz, Zlatoust, Aläisk, Perm, Nynetourinsk, Verkhne-Barantchinsk, Verkhne-Tourinsk, Viatchka, Orenburg, Tomsk, and Poland .. ..	Iron and copper .. ..	1	Steeped flax and tow. Iron ores. Limestone. Cast iron for heavy guns. Cast steel. Silver ores. Fine silver, &c. Limestone. Lake salts. Fire-brick. Geological specimens of the rocks of the Permian system of Sir Rodolphe Murchison. Magnetic iron ores and limestone. Melnikovsk and other ores. Fire-stone, brown iron-stones. Fibrous and wrought iron. Bar-sheet iron. Rolled iron of different forms and dimensions. Pig iron. Puddling and other iron. Cast steel. Various geological specimens. Scrap sheet, and boiler plate-iron. Wrought and soft cast-iron. Samples of cast and Damascus steel. Sheet, oxidized and boiler plate-iron. Native copper, and copper ores. Vitreous ore with copper-pyrites, impregnated with quartz. Reniform malachite.
RUSSIAN IMPERIAL CABINET	Russia : St. Petersburg .. ..	A pelisse lining made from the necks of the silver fox .. ..	16	Fur pelisse lining.



NAME.	LOCALITY.	ARTICLES REWARDED.	Class	
RYDER, W. . . . .	England : Bolton . .	Forging machine . . . .	6	Forging machine for small articles up to two inches, round or square, with specimens. Stubbing, roving, and throstle spindles and flys, and all kinds of rollers for cotton machinery.
RIFFEL and Co. . . . .	Switzerland : Zurich . .	Half-Florence, Florence, and Marceline . . . .	13	Silk stuffs. Velvet for waistcoats, aprons, handkerchiefs. Exhibited for cheapness and quality.
SACRE, E. . . . .	Belgium : Brussels . .	Balance . . . . .	10	Two pair of precision scales.
SADLER, FENTON, and Co. . . . .	Ireland : Belfast . .	Heavy shirting linen for export (bleached) . . . .	14	Samples of Irish flax. Specimens of Irish linen. Slate linen. Linen and brown sheeting. Creas, Britannias, estopillas, Slesias, platillas, and drills.
SAINTÉ, MESST. . . . .	India : Calcutta . . . .	Cocoa-nut oils . . . . .	4	Cocoa-nut oil.
SALE, J. N. . . . .	England : Manchester . .	Printed cotton shirtings . .	18	Collection of shirtings and of cottons, printed by machine and block.
SALM, Prince.. . . .	Austria : Blansko.. . .	Cast-iron statue of Radetsky, considered as a specimen of casting, (and special approbation) . . . .	22	{ Cast-iron gas chandelier. Cast-iron statue : Field-Marshal Count Radetsky, modelled by Fernkerna. Four cast-iron statues, representing heroes from the Nibelungenlied.
SALT and LLOYD . . . . .	England : Birmingham . .	Bronze and lacquered lamps . .	22	Lamps and stands, candelabra, &c. Cast-brass, from Bankart's copper. English's camphine.
SALT, Titus . . . . .	England : Bradford . .	Alpaca and mohair fabrics, also their yarns; moreens for furniture hangings . . . .	12	Alpaca manufactures. Specimens of British and American Alpaca wool, &c. Mohair manufactures, and specimens of mohair. Moreens made from English and Russia wool, with specimens of Russia wool.
SALTER, S. and Co.. . . .	England : Trowbridge . .	Woolen cloths . . . . .	12	Specimens of fine woolen trousers.
SAUER, S. . . . .	United Kingdom . . . .	Models of bridges . . . .	7	Model of the new county assize courts, erected at Cambridge; the principal front of Whitby stone, and the fittings of the interior of oak. Model in card of the new church of St. Mary and St. Nicholas, at Wilton.
SALTER, S. . . . .	As above . . . . .	Model of St. Nicholas Church, Hamburg . . . .	30	Model of St. Nicholas Church, Hamburg.
SALOMONS and Sons.. . . .	England : 49 Old Change . .	Embroidered work . . . .	19	Ladies' embroidered robes, &c. Irish and French cambric handkerchiefs. Musin trimmings, flouncings, and insertions.
SAMUELSON, B. . . . .	England : Banbury . .	Turnip cutter . . . . .	9	Double-action turnip-cutter. Chaff-cutter. Universal mill. Improved beam-mill. Oil-cake breaker. Atmospheric churn. Ploughs. Horse-hoe. Ornamental cast-iron table and stool. Self-acting kitchen-range.
SANCHES, Pescader . . . . .	Spain : Madrid . . . .	Bedstead of cast steel with bronze ornaments, (and special approbation) . . . .	22	Bedstead of cast-steel, with bronze ornaments, chased and gilt.
SANDERSON and REID . . . . .	England : Gresham-st. . .	Figured vestings . . . .	13	Specimen of silk weaving for a chair cover. New pattern, and cloth for furniture. Samples for waistscoting.
SANDERSON, R. and A. and Co. . . . .	Scotland : Galashiels . .	Collection of tartans . . . .	15	Scotch woollen clan and fancy plaids. Gentlemen's plaids.
SANDSTER, W. and J. . . . .	England : 14, Regent-st.. .	Alpaca umbrellas . . . .	29	New parasol. Application of leathers as ornaments to parasols.
SANIN, — . . . . .	Russia : Kaluga . . . .	Salts of lead, &c. . . .	2	Alpaca parasols and umbrellas. Holland's light silk umbrella.
SANTA CLARAZ, the Nursery of . . . . .	Portugal : Funchal . . . .	Feather flowers . . . .	29	Sugar of lead.
SATOSHILOFF, Herts of . . . . .	Russia : Moscow . . . .	Specimens of gold and silver brocade and other fabrics . . . . .	29	Specimens of feather flowers.



NAME.	LOCALITY.	ARTICLES REWARDED.	Class	DESCRIPTION OF ARTICLES EXHIBITED.
SARAGOSA, Agricultural Society of	Spain	Collection of produce	4	Collection of produce.
SARASIN and Co.	Switzerland : Bale	Specimens of figured ribbon	13	Cases containing specimens of ribbons.
SARASHY, J. F.	As above	As above	13	As above.
SARRE, H., jun.	Prussia : Berlin	Soaps	29	Green soap. with natural grain. White grain, Elain soap. Palm-oil Soda soap. Tallow soap.
SAUBREY, V.	Switzerland : Bale	Target rifle	8	Swiss rifle, and walnut case, with necessary apparatus.
SAUNDERS, W. W.	England : Wandsworth	Collection of woods	4	Collection of woods, arranged geographically, with specimens of veneers.
SAUNDERS, J. E.	United Kingdom	Model of a well-dressed smack for fishing, fitted with auxiliary screw-propeller.		
SAUNDERS, T. H.	England : Queenhithe & Dartford	A novel application to vessels of this description A novel style of watermark on paper, the watermark giving gradation of shade. It was invented by Mr. Oldham, of the Bank of England, under whose instructions Mr. Saunders applied it in the manufacture of paper Machine for planing and moulding wood	8	Model of a well-dressed smack.
SAUTREUIL, — jun.	France : Fécamp	Plated gold	17	{ Parchment paper. Bank-note paper. Glass transparency to show the water-mark. Safety paper for cheques.
SAVARD, A.	France : 22 Rue St. Gilles, Paris	False stones	6	Planing and moulding machine.
SAYBAY and MOSBASH	France : 2 Rue Vaucanson, Paris	Gardeners' knives	23	Lockets, chains, brooches, bracelets, &c., lined with gold. Snuff-boxes, gorgnets, and other ornaments.
SATNOB and Sons	England : Sheffield	Net curtains, &c.	21	Imitations of diamonds, precious stones, and pearls.
SCHAEFFER, SCHLATTER, and KURSTEINER	Switzerland : St. Gall	Coach laces, &c.	19	Pruning and budding knives, of superior workmanship and material.
SCHAEFFER, R.	Prussia : Brieg	Plate, printing, writing, and tissue papers, the mark put on dry, by a peculiar process, after the paper is made	19	Lace and muslin curtains. Muslin dress. Tartan. White jacquard muslin. Shawls with needle-work and fringes.
SCHAEUFFELSEN, G.	Wurtemberg : Heilbronn	Bohemian glass	17	Silk and worsted borders, tassels, and gimps, for carriages. Bridles, gun-ribbons, girths.
SCHAFEGOTSCH, Count	Prussia : Josephinenhutte, near Warmbrunn	Red lakes	24	{ Coloured and white pasteboard. Tissue-paper, white and coloured. Letter-paper exhibited for quality. Post-paper, white and coloured. The name of the manufacturer is inserted by a contrivance for machine paper.
SCHARENBERG, A.	Mecklenberg - Strelitz : Neustrelitz		2	Flower decoration. Colossal ruby vases. Enamel-like flower vases. Aquamarin-enamel vases, with gilt decoration. Sugar-water set. Chalice-glasses, with carved arabesques, and with handles carved, dyeing at sorts of stuffs.



DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
SCHIEBLER and Co. . .	Austria : Milan . .	Silk . . . . .	4	Six specimens of cocoons : yellow, coarse fibre ; yellow, delicate ; yellow, satin ; yellow, saffron ; white, coarse fibre ; white, fine fibre. Specimens of raw silk, one thread ; raw silk, yellow and white. Specimens of tram silks, three threads. Specimens of organsine silk, for velvet, heavy and light satin and plush. Specimens of Grenadine : Organsine Grenadine, four threads. Two qualities of Grenadine manufactures. Looms.
SCHIEBLER and Co. . .	As above . . . . .	Organsine, 28 deniers for satin, and for their grenadine, 48 deniers, in four threads . .	13	As above.
SCHIEBLER and Co. . .	Prussia : Crefeld . .	Plain and fancy velvets and velvet ribbons . .	13	Velvet ribbons ; fancy ribbons, fringed ; stamped velvet scarfs. Silk velvet. Plush for hats and caps. Watered silk. Striped and glazed silk. Black silk serge and lustrings. Black silk for waistcoats.
SCHIEDMAYER and Son . .	Wurtemberg : Stuttgart . .	A square piano-forte in mahogany . . . . .	10a	Grand piano-forte, in rosewood, with newly-invented double action. Square piano-forte, in mahogany. Cottage piano-forte, in nut-wood, decorated and ornamented with original wood carvings.
SCHULT, — . . . . .	France : Sèvres . . . . .	Painting on a vase . . . . .	30	Vases, painted and ornamented.
SCHLEICHER, C. . . . .	Prussia : Bellevallée, near Aix-la-Chapelle . . . . .	Galvanized steel wire . . . . .	22	Galvanized cast-steel wire. Various wire rings, and samples of unfinished and finished needles. The raw material of English origin.
SCHLIPPE, C. . . . .	Russia : Moscow . . . . .	Prussiates, alum, &c. . . . .	2	Prussiate of potass. Alum. Muriate of tin. Oxalic and tartaric acids. Vinegar. Lelocome.
SCHLOSS (Widow), & Brother . .	France : 15 Rue Chapon, Paris . . . . .	A large collection of portfolios, porte-monnaies, porte-cigars, and other leather articles . . . . .	17	Portfolios, cash-boxes, cigar-holders, and steels. Baskets, knapsacks, and trusses.
SCHLUMBERGER, G. and Co. . .	France : Mulhouse . . . . .	Danasks for furniture hangings, of worsted and silk . . . . .	12	Woollen and silk stuffs for furniture. Fabrics from the Jacquard loom.
SCHLUMBERGER, jun., & Co. . .	France : Thann . . . . .	Cylinder printed calicoes and jacouets . . . . .	18	Printed cottons, and woollen and cotton prints.
SCHMAUTZ, C., sen. . . . .	France : 19 Rue du Cherche-Midi, Paris . . . . .	Letter-press rollers . . . . .	22	Rollers, frames, and straps, for lithographic press.
SCHMERBER, J. . . . .	France : Ragolsheim . . . . .	Forging machine . . . . .	6	Vertical hammer to forge all kinds of work with varying force, and capable of increase by the aid of springs.
SCHMID, H. D. . . . .	Austria : Vienna . . . . .	Weighing machine, parabolio governor for a steam engine . . . . .	5	Steam-engine, with parabolioic regulator of new invention. Model of scale-beam. Designs for beet-root sugar factories.
SCHMIDT, J. G. jun., & Sons . .	Saxony : Penig . . . . .	Folded card-yarns . . . . .	12	Knitted worsted yarn, in different colours, and a book of shades. Embroideries on jacuet, silk, and cambric, with cotton and silk. A set of furniture ; easy chair, pillow and cushions embroidered in the French style ; window curtains with fringes ; wall basket ; table-cover ; shades ; letter case ; and pincushion, embroidered in the French style.
SCHMIDT, G. F. and Co. . .	Saxony : Plauen . . . . .	Cushions, &c., for a set of furniture . . . . .	19	A middle-sized kitchen stove.
SCHMIDT, Caspar . . . . .	Prussia : Soest . . . . .	Kitchen stove . . . . .	22	



NAME.		LOCALITY.		ARTICLES REWARDED.		CLASS.		DESCRIPTION OF ARTICLES EXHIBITED.	
SCHMIEGER, A.	..	Austria : Neudeck	..	Woollen yarns	..	12	12	Worsted and woollen yarns. Woollen fabrics, including Thibets, muslin, cloth.	
SCHMOLZ, W. and Co.	..	Prussia : Solingen	..	Cutlery	..	21	21	Swords and cutlery.	
SCHNEIDER and LEONARD	..	France : Sedan	..	Shearing machine	..	6	6	A shearing machine.	
SCHNEIDER, —	..	France ..	..	Specimens and plans of steam-boat "L'Océan," for the river Rhone, which vessel has attained great speed, and rendered much service to the commerce on that river	..	8	8	Model and plans of steam-boat.	
SCHOEN, SCHIESS, and Son..	..	Switzerland : Herisau, Canton of Appenzell	..	Embroidered handkerchiefs	..	13	13	Embroidered handkerchiefs and collar.	
SCHOELL, C. A.	..	Switzerland : St. Gall	..	Model of Mount Sentis	..	10	10	Model in relief of the mountains of Appenzel, including a surface of about 130 square miles. The apparatus and the plastic substance of the relief, the exhibitor's invention.	
SCHOFIELD, BROWN, DAVIS, and HALSE..	..	England : 1 Gresham-street	..	Flannels, by Messrs. J. Schofield and Co., Haybrook, Rochdale	..	12	12	Flannel, in a variety of styles ; comprising Royal Victoria flannels, manufactured from yarn spun from silk and wool ; merino, flax, silk-warp, Thibet, and in fancy dyes.	
SCHOLL, A.	..	Austria : Brunn	..	Woollen cloths	..	12	12	Fine cloths. Brazilian, elastic cashmeres, doeskin, and winter stuffs.	
SCHOLLER and Sons.	..	Prussia : Düren	..	Woollen cloths	..	12	12	Woollen cloths : wool-dyed blue cloth ; pommé de rhène ; black, souriet, claret, Ruix de Corinthe. Crêpe-de-laine, bronze d'or, blue. Seventy-four specimens of mahogany and four of Espanillo or satin wood. Starch prepared from the plant called Guayiga, found in great abundance in St. Domingo. Vegetable wax and "curtols" prepared therefrom, the product of a shrief, indigenous to the northern parts of the Dominican Republic. A petrified mass of chancra, a wood used at St. Domingo for posts to construct huts, probably converted into stone after the hut had been burnt down, the wood still bearing the marks of fire. Copper ore and allied rocks from the yet unexplored rocks of the interior of the island.	
SCHOMBURGH, Sir R.	..	St. Domingo	..	Collection of produce	..	4	4	Raw flax, heckled flax, and flax made therefrom.	
SCHONBERG YARN-SPINNING MILL	..	Austria : Schonberg	..	Hemp	..	4	4	White and grey potato meal, or farina. Potato gum. Sago.	
SCHONEVELD and WESTERBAAN	..	Netherlands : Gouda	..	Starch	..	4	4	Samples of hams and shoulders.	
SCHONLEY and HOGUE	..	America : Cincinnati	..	Ham	..	3	3	An extensive selection of silks for furniture, in brocades, lampas, satins, and damasks. Carriage linings.	
SCHOPPER, M. A.	..	Austria : Vienna	..	Brocatelles	..	13	13	A large dressing-case, inlaid with silver. A variety of dressing-cases. Oval, round, seed, and sundry boxes. Visiting cards, albums.	
SCHREIBER, J. C. G.	..	Prussia : Merseburg	..	Enamelled card boards, and paper, &c.	..	17	17	Laces and embroideries, imitation Brussels. Volans ; barbe ; barbe ; écharpe. Embroidered scarfs in the ancient style ; barbe, berthia, &c. Embroideries : collars, ruffles, and pocket-handkerchiefs.	
SCHREIBER, F. A.	..	Saxony : Dresden	..	Pillow lace	..	19	19	Geometrical and other models. Models of joinings in wood and of roof joinings. Patterns of roof and other mouldings. Models of crystals, according to Dr. Kopp. Model of a window frame, spiral staircase, several drawing instruments.	
SCHRODER, J.	..	Duchy of Hesse : Darmstadt	..	Descriptive models of joining in wood, crystals, &c.	..	10	10		



# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	
SCHULZ C. . . . .	Prussia : Essen . . . . .	Walking-sticks . . . . .	29	Varnished leather for cups, shoes, and hats. Walking-sticks and sword-canes of whalebone. Dragon and Malacca canes.
SCHULZE, J. F. and Sons . .	Prussia : Paulinzella . . . .	An organ . . . . .	10a	An organ : its peculiarities consisting in great power of tone and simplicity of mechanism, with a contrivance for producing deeper tones, and an arrangement for accelerating the transmission of sound.
SCHURMANN and SCHRODER	Prussia : Lennes . . . . .	Woollen cloths . . . . .	12	Samples of black cloth ; the same twilled ; mulberry and blue cloth, dyed in the wool.
SCHUTZ, L. . . . .	Netherlands : Zeijst, near Utrecht	Zinc casting . . . . .	22	Specimens of zinc casting ; stag, flower-table, &c. Flower-tables, vases, and baskets, in wood and twisted reed.
SCHWABE and Co. . . . .	England : Manchester . . . .	Printed calicos in madder and garancine . . . . .	18	Printed cotton, cambrics or calicos. Printed cotton muslins.
SCHWANN, KEEL, and Co. . .	England : Bradford . . . . .	Fabrics of various descriptions, and all adapted for foreign markets . . . .	12	{ Merinos. Cobourgs, lastings, alpacas. Silk and cotton dresses. Cotton and worsted checks. Cotton and wool plaids.
SCHWARTZ and HUGUENIN..	France : Mulhouse . . . . .	Printed cotton chintz, colours for furniture . . . .	18	Printed woollen and cotton cloths. Printed lastings.
SCHWARTZ, J.. . . .	Austria : Vienna . . . . .	Mother-of-pearl ornaments . .	28	Medallions, pen-holders, needle-cases, thimbles, paper-knives, ink-stands, screens, watch-stands, and similar articles of mother-of-pearl.
SCHWARZENBACH, F. J. . . .	Switzerland : Zurich . . . . .	Gros-de-Rhin, and Poul-de-socé . . . . .	13	{ Silk stuffs. Velvets for waistcoats, aprons, handkerchiefs. Exhibited for cheapness and quality.
SCHWARZENBERG, Prince . .	Austria : Murau . . . . .	Iron and steel . . . . .	1	Paal, Brescia, and Styria steel, and hard iron. Refined steel. Soft iron for blistered steel.
SCHERTZ, J. G. . . . .	France : 27 Rue de la Huchette, Paris	Photographic apparatus . . .	10	{ Optical apparatus. Apparatus and stands for daguerreotyping. Stands for telescopes.
Scott, Brothers	Tuscany : Florence . . . . .	Silk . . . . .	4	Raw silk, from the exhibitors' spinning-mills.
SCOTT, E. and Co. . . . .	England : 83 Dean-st., Soho	Collection of woods . . . . .	4	Walnut and rosewood veneers.
SCOTT, — . . . .	Turkey . . . . .	Silk . . . . .	4	Specimens of silk.
SCOTT, L. . . . .	England : 41 Moorgate-st. . . .	Oxide of zinc . . . . .	2	White and grey oxide of zinc, an innocuous substitute for white-lead in artistic and house-painting, &c., produced from spelter.
SCRAGG, T. . . . .	England : Tarporeley . . . . .	Tile machine	9	A double-action machine for making draining tiles and pipes.
SCRIVE, Brothers	France : Lille . . . . .	Damasks (including their yarn and power loom goods) . . . . .	14	Flax and flax-tow thread, manufactured by new processes.
SCRIVE, Brothers	As above . . . . .	Card clothing . . . . .	6	Plates and card-straps for carding cotton, wool, and flax-tow.
SEABROOK, W. . . . .	America : Charleston . . . . .	Cotton . . . . .	4	Specimens of Sea Island cotton.
SEAMER, T. . . . .	England : 5 Milk-st. . . . .	Moiré, antique, and plain velvets . . . . .	13	Thirty-six inch moiré antiques, English dye and crimson velvet.
SEEL, H. . . . .	Prussia : Elberfeld . . . . .	Pharmaceutical apparatus . .	10	Pharmaceutical apparatus, and chemical utensils, including measures, &c., of various materials.
SEEL, G. . . . .	Prussia : Elberfeld . . . . .	Pictures in hair . . . . .	19	Ornamental articles in hair, for brooches, ear-rings, and rings. Album, with a landscape ; album, with bouquet, flower, and bird, in tone.
SEELY, J. . . . .	England : Keppel-row, New-road	Portland cement . . . . .	27	Mercury, after Glover, in the market place. Fountain, in artificial limestone, designed for the market place.



NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
SEGUN, A. . . . .	France : Rue d'Assas, Paris	Marble mantelpiece . .	27	Chimney, carved in white marble, medal, basso-relievo, panel moulding, angel's head.
SEIB, J. A. . . . .	France : Strasbourg	Enamelled floor-cloth . .	19	Glazed cloth for floors.
SEIGLE, H. . . . .	Württemberg : Stuttgart	Red lakes . . . . .	2	Carmine, Munich-carline, lac, madder-lac, and azure colours ; and a yellow innocuous colour for confectioners.
SELBY and JOHNS . . . . .	United Kingdom . . . . .	Iron tubes and enamelled iron . . . . .	1	Lap-welled boiler tubes ; enamelled and corrugated sheet-iron.
SELYANOFF, — SEMANOFF, J. and FAYALEFF, Alexis, and Basile . . . . .	Russia : Penza . . . . .	Oats, grown from English seed . . . . .	3	Oats.
SENTRI, Son and Co. . . . .	Russia : Kalouga . . . . .	Bristles, &c. . . . .	4	Bristles.
SEYSEL ASPHALT COMPANY . . . . .	France : Rheims . . . . .	Woollen yarns . . . . .	12	Samples of woollen and worsted yarns.
SHABELSKY, Colonel . . . . .	England : Lambeth . . . . .	Pavement at the east entrance . . . . .	27	Specimens of Asphalt pavement.
SHADBOLT, G. . . . .	Russia : Ekaterinosloff . . . . .	Wheat (hard Odessa) . . . . .	3	Hard wheat, called Arnaout.
	England : 2 Lime-st.-square . . . . .	Microscope condenser . . . . .	10	Sphæro-annular condenser, for condensing light in a peculiar manner on transparent objects while under examination by the microscope. Diagrams and description, illustrative of the action and construction of the condenser.
SHAND and MASON . . . . .	England : 245 Blackfriars-road . . . . .	Fire engine . . . . .	5	Fire engines, fire-pumps, garden engines, hose and suction pipes, fire cocks, series of jet pipes.
SHARP, Brothers and Co. . . . .	England : 5 Gough-square . . . . .	Table knives . . . . .	21	Table-knife cutlery, made in London.
SHARP, T. . . . .	England : 27 Burton Crescent . . . . .	Statue, in marble, of boy and lizard . . . . .	30	Statue in marble : boy and lizard.
SHAVE, W. J. . . . .	England : 74 Watling-street . . . . .	Stoves and ovens . . . . .	22	Oven for baking bread, pastry, meats, &c., with great economy of fuel and time.
SHAW, J. W. and H. . . . .	England : Huddersfield . . . . .	Woollen cloths . . . . .	12	Woaded, wool-dyed, and piece-dyed, black cloths.
SHAW, C. . . . .	Ireland : Dublin . . . . .	Mechanical sculpture . . . . .	28	Specimens of mechanical sculpture, reduced from models in plaster and bronze, by machinery adapted to a turning lathe.
SHEA, Capt. . . . .	China . . . . .	Carved coal and pearl . . . . .	28	A snuff-box ; specimen of Chinese carving on English cannel coal, the only specimen known. Chinese carved mother-of-pearl shell. A saucer ; Chinese specimen of enamel on copper. A small saucer, and a cup and saucer, specimens of Japanese lacquered ware, Chinese specimen of cloth made of paper. Burmese bamboo vase, elaborately carved. Two japanned chairs of Chinese upholstery and lacquered ware. Bamboos chair. Chinese lantern. Specimen of green and of crimson Chinese damask.
SHEKONIN, Alexis . . . . .	Russia : Novotorjok, Novgorod . . . . .	Embroidered boots and shoes . . . . .	20	Embroidered velvet boots. Silk and tinsel belts.
SHEPHERD, HULL, and SPRING . . . . .	England : Leeds . . . . .	Self-acting slide lathe . . . . .	6	Self-acting slide lathe, with screw-cutting apparatus, self-acting surface and improved disengaging motion.
SHERWIN, J. . . . .	England : 21 Norton Folgate . . . . .	Kitchen range . . . . .	22	Economic range and supply cassara, hot closet steam kettle, bath stove.
SHER, D. . . . .	British Guiana . . . . .	Starch, cassava . . . . .	4	Starch, from the sweet cassara, plantain, Buckyan, from plantation Kity, East Sea Coast, Demerara.
SHOOLBRED and Co. . . . .	England : Wolverhampton . . . . .	Japanned ware . . . . .	22	Coal vase, baths, wine coolers, dish covers. Bear's coffee pot, &c. Date dials for counting-houses.



# DESCRIPTION OF ARTICLES EXHIBITED.

## ARTICLES REWARDED.

### LOCALITY.

#### NAME.

Class

SIDI MAHMOUD BENYAD	Tunis	Collection of native produce	4	Collection of native produce of great extent and variety.
SIEBE, A.	England : 5 Denmark-st., Soho	Diving apparatus ..	7	A three motion diving machine. Air-pump, with a figure of a man in diving dress and helmet.
SIEBE, A.	As above	Rotatory syringe ..	22	Rotatory universal syringe, to keep up a continual flow of water.
SIEGMUND, W.	Austria : Reichenberg ..	Fabrics of wool and silk, &c.	12	Fine cloths, beavers, and ladies' cloths. Woollen stuffs, including Orleans, mohairs, rips, mandarins, and Austrians. Woollen shawls. Shawls composed of wool and silk.
SIEMENS, C. W.	England : Birmingham ..	Chronometric governor ..	5	Working model of a chronometric governor. Model of a variable expansion valve. Model of a surface condenser. Water-meter. Regenerative condenser. Working model of a regenerative evaporator.
SIGNORET-ROCHAS, P.	France : Vienne ..	Woollen cloths (economy of production) ..	12	Condenser and governor.
SILBERMANN, G.	France : Strasbourg ..	Chromo-typography ..	30	Woollen cloth of a new description ; black cloth ; grey twills.
SILK and BROWN	England : 8 Long Acre ..	A full-sized park phaeton, elaborately finished, a very superior specimen of workmanship and art	5a	Letter-press of all descriptions, executed by a new process, invented by the exhibitor.
SIMCOX, PEMBERTON, and SONS	England : Birmingham ..	Brass work, various ..	22	Barouche, hung upon improved horizontal springs. A highly finished carriage, hung upon a swan-neck perch, lee and under-springs.
SIMMONDS and WOODROW	England : Oldham ..	Selection of felt bonnets ..	20	Curtain decorations. Lock furniture, finger-plates, bell-pulls, &c. Door-knockers and chains. Gothic and Elizabethan work for churches, &c. Letter-clips, letter-balances, &c. Sconces. Stair and curtain rods. Miniature and picture-frames. Butt and other hinges, bolts, castors.
SIMMONS, D. and Co.	America : New York	Edge tools ..	21	Beaver hatting materials, from the skin to the hat, complete. Black silk hats, and reflectors.
SIMMS, W.	United Kingdom ..	Fine astronomical instruments ..	10	Specimens of axes and edge-tools.
SIMONIS, E.	Belgium : Brussels ..	Plaster statue of Godfrey de Bouillon, and other works ..	30	Astronomical instruments.
SIMONITE, J.	England : Birmingham ..	Tin and enamelled ware ..	22	Equestrian statue of Godfrey de Bouillon (plaster). Truth (plaster.) Two small statues : The Happy Child, and The Unhappy Child.
SIMONS, J., Heirs of.	Prussia : Eberfeld ..	A variety of velvets, figured silks, cravats, handkerchiefs, scarfs, vestings, garters, &c. ..	13	Tinned wrought-iron culinary utensils. Copper coal-shovel. Wrought-iron melting ladle for plumbers, pitch, or seaming ladle, &c. Japanned iron and galvanized sail thimbles, and ship's hooks and thimbles. Tinned wrought-iron tinner's furniture.
SIMPSON, J. and Co.	Canada : Bowmanville ..	Ten horse-power reciprocating engine ..	3	Silk shawls, scarfs. Ladies' neckerchiefs. Black sarsener kerchiefs. Silk cravats. Waistcoats. Silk handkerchiefs, German, Indian, and imitation web. Silk velvet, and silk and half-silk stuffs.
SIMPSON and SHIPTON	England : Manchester ..	Woolen cloth ..	5	Barrel of flour.
				Improved reciprocating high pressure steam-engine.



DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	
SIMPSON and YOUNG. . .	England: Atherington & Manchester	Mousseline-de-laine (cotton warps) printed by cylinder in six and seven colours, also calicos printed in steam colours	18	{ Balzarines, barèges, and mousseline-de-laines, cambrics, cotton velvets, &c., printed by machine.
SIMPSON, H. . .	England: 55 Strand	For collection . . .	10c	{ A series of mechanical adaptations for regulating and preventing the irregularities of the permanent teeth.
SIMPSON, G., F.R.C.S.	England: 6 Bedford-st., Bedford-sq.	Anatomical model of the human figure. This figure consists of pieces that may be detached at pleasure, and is calculated to stand the heat of tropical climates . . .	10c	{ Anatomical model of the human figure, in papier-maché and gutta-percha. Vertical section in gutta-percha of the human head and neck.
SINGLAI, DUNCAN, and SONS	Scotland: Edinburgh . .	Specimens of printing types	17	{ Small founts of music type of different sizes and body, with specimen pages.
SINGER and Co. . .	England: Vauxhall	Mosaic pavement . . .	27	{ Specimen of mosaic pavement of highly vitrified coloured clays.
SINGER, J. . .	Austria: Pest . .	Dress coats . . .	20	{ Gentlemen's apparel.
SKINNER and WHALLEY	England: Stockton-on-Tees . .	Novel and useful invention of marble paste . . .	27	{ Vitreous, white, and coloured marble pastes, for mosaics, buildings.
SKVOROFF, M. . .	Russia: Moscow . .	Curried calf-leather, and a few calf-skins curried with the hair attached	16	{ Leather, and ladies' boots.
SLACK, SELLERS, and Co. . .	England: Sheffield . .	Saws . . .	21	{ A large assortment of all descriptions of pit, frame, and hand-saws, Straw or chaff knife, Ledger blade and cylinder of spiral cutters for shearing woollen cloth.
SMETON, J. and Son . .	Scotland: Dundee . .	Dowlas, cregdilas, creas, &c., of light and low-priced quality for export	14	{ Loom, or yarn bleached linens.
SMITH, T. and H. . .	Scotland: Edinburgh . .	Aloine and canthardine	2	{ Specimens of aloine, the cathartic principle of the aloes, of gallic acid, of crystalized mannite, and of canthardine.
SMITH and Son . .	England: Spitalfields . .	Lichen and cudbear . .	4	{ Archil and cudbear, lichens, &c., from which they are derived; and specimens of fabrics and leathers dyed and printed with archil and cudbear.
SMITH, BEACOCK & TANNETT	England: Leeds . .	Self-acting slide-lathe, drilling and planing machines . . .	6	{ Self-acting slide-lathe, with bed 18 feet long, head-stock 15 inches, centres, self-acting surfacing and screw-cutting motion, &c. Self-acting drilling and planing machine.
SMITH, Thomas and William	England: Newcastle-upon-Tyne	Specimen model of fine merchant vessels, designed and built by them for the East India trade	8	{ Model of the merchant frigate, Blenheim.
SMITH and Co. . .	England: Stamford . .	Haymaker, chaff-cutter, horse-rake . . .	9	{ Hay-making machine. Litter and chaff cutting machine. Balance lever; horse and hand rake. Lever cultivator or scarifier. Pat cutting machine. Parks or luggage cart, &c. Iron wrought wheels



NAME.			LOCALITY.		ARTICLES REWARDED.		Class.	DESCRIPTION OF ARTICLES EXHIBITED.	
SMITH, J. and Sons ..	..	..	England : Saddleworth ..	..	Flannels .. ..	..	12	Fine and superfine and silk warp, and stout flannels. Fine and super- fine and silk warp shawls and scarfs for printing.	
SMITH, G. and Sons ..	..	..	England : 10 Watling-st. ..	..	An assortment of furs, &c. .. ..	..	16		
SMITH, KEMP and Co. ..	..	..	England : Birmingham ..	..	Buttons .. ..	..	22	Fur muffs, cardinals, flat boas, riding boas, cuffs. Buttons of gold, silver, brass, gilt, papier-maché, mother-of-pearl, &c. shirts-studs of gold, silver, gilt, pearl chased, enamelled, and engraved.	
SMITH, W. and A. ..	..	..	Scotland : Mauchline ..	..	Scotch snuff-boxes ..	..	29	Articles of Scotch fancy wood-work, made chiefly of sycamore, orna- mented with Tartan checking, and in the Arabesque and Scoto- Russian styles. Bale of hops.	
SMITH, B. ..	..	..	Canada : Stanstead ..	..	Hops .. ..	..	3		
SMITH, Captain ..	..	..	India : Assam ..	..	Munjeet .. ..	..	4		
SMITH, Captain ..	..	..	As above ..	..	Coin weighing machine ..	..	10	Coin weighing machine.	
SMITH, F. P. ..	..	..	England : Greenwich ..	..	A series of screw models, showing the progress of screw propulsion ..	..	5	Several screw propellers.	
SMITH, M. ..	..	..	England : Heywood, nr. Manchester	..	Various power-looms ..	..	6	Looms for weaving naval canvas, Dutch and Venetian carpets, strong fustians, plaids, and silk.	
SMITH, W. H. ..	..	..	England : 1 Royal Exchange Buildings ..	..	Model of light floating breakwater, for the idea of setting up a design in model .. ..	..	7	Recoil breakwater and lighthouse, said to combine economy, strength, and general applicability to all depths and situations. Tubular suspension girder bridge, to prevent vibratory action. Plan for a suspension tunnel.	
SMITH, S. ..	..	..	Ireland : Waterford ..	..	Model of a spring machine for modelling ships of any dimensions, on an ingenious & ready means of setting up a design in model .. ..	..	8	Spring machine for modelling ships of any form or dimensions.	
SMITH, A. ..	..	..	England : Whitechapel ..	..	Painting brushes .. ..	..	23	Painting brushes for heavy or fine work.	
SMITH, T. ..	..	..	England : Hurstmonceux, near Hailsham ..	..	Truck baskets .. ..	..	28	A set of Sussex truck baskets, made of willow wood.	
SNELL, John ..	..	..	England : Leeds ..	..	Beauty of finish in woollen cloth .. ..	..	12	Superfine twilled summer cloth.	
SNOWDEN, R. ..	..	..	England : City-road and East-road	..	Office prepared by his process of separating the tough membrane from between the folds of the seed or berry ..	..	3	Coffee, raw and prepared by patent process. Samples of the processes of cleansing and purifying the coffee-berry previous to roasting and grinding.	
SOCNER — ..	..	..	France ..	..	Distilling apparatus ..	..	8	Distilling apparatus. A railway locomotive and tender on Stephenson's plan. A ventilator for airing mines, but qualified also for airing theatres, prisons, &c. Three rails. A locomotive wheel-tire. Thirty-three bars of wrought-iron. A piece of sheet- iron. Railway sleepers. A section of iron for slated cylin- ders. Samples of nails. Samples of coals.	
SOCIÉTÉ ANONYME des HAUTES- FOURNEAUX, Usines et Char- bonnages de Marcinelle et Coullet ..	..	..	Belgium : Hainault ..	..	Mine ventilator .. ..	..	5		



NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBED.
SOCIÉTÉ DU PHOENIX SOCIÉTÉ DE LA NOUVELLE MONTAGNE ZINC .. SOENEN, F. .. SCHNEE, Brothers ..	Belgium : Ghent .. Belgium : Yveriers .. Belgium : Ypres .. France : 17 Rue des Vinaigriers Paris ..	Soft bobbing frame .. Zinc tiles .. Lace handkerchiefs and lappets .. Superior bookbinder's var- nish .. Veils embroidered in gold and pearls, with silver fringes .. Tin toys .. Merino yarns .. Adaptation in price to ex- port demand in certain qualities of hosiery .. Rich figured silks, armures and a royal ground for furniture, and some gauze diaphane for the same purpose .. Specimens of figured ribbons Iron safe ornamented (and special approbation) .. Floor brushes .. Illustrations of lead manu- facture, &c .. Edge tools ..	6 22 19 17 20 29 12 20 13 13 22 28 1 21	Spinning machine. Willow engine, invented by the Société du Phoenix Oxide of zinc. Zinc tiles. Roofs covered with zinc tiles. Sheet zinc. Assortment of Ypres lace, called Valenciennes. [Fig of soft lead. Various sorts of varnish for leathers, wood, and metals : for oil and water-colour paintings. Natural flowers, preserved by a chemical process. Veils embroidered in gold and pearls, with silver fringes. Gloves in gold and pearls, used as an ornament for the hand. Toys : an English regiment on parade before the Queen and her suite formed of painted pewter figures. Woolen yarns of different numbers. Men's and women's, boys' and children's hose, half-hose, gloves, jackets, drawers, and caps.
SOFTIHOGLIOTS' DAUGHTER ..	Turkey : Constantinople ..			Specimens of silk of different colours ; white and coloured taffetas.
SOHLKE, G. ..	Prussia : Berlin ..			Specimens of ribbons.
SOLBERG, C. F. ..	Saxony : Chemnitz ..			Iron fire-proof safe, of a novel construction. Brushes for waxing and washing floors. Sweeping brushes and horse brushes. Samples of pig's bristles ; horsehair, tails, and manes. Specimens of lead ore and lead manufacture. Carpenters' and other tools. Every variety of axes, adzes, hedging bills, and garden tools. Circular saw, 5-ft. diameter. Hand, pit, frame, and cross-cut saws. Sheep shears, scythes, reaping-hooks, hay, and chaff-knives.
SOLBERG, Franz ..	Saxony : Chemnitz ..			Various qualities of oxide of zinc. Specimens of cocoons. Raw and thrown silk. Grand piano-forte. Samples of starch.
SOLEY, Bd. ..	Sardinia : Turin ..			Railway carriage-springs. Chemical preparations : naphthaline, caffeine, quinine. Woolen stuffs. Winter buckskin.
SOLLER and Co. ..	Switzerland : Bâle ..			
SOMMERMEYER and Co. ..	Prussia : Magedburg ..			
SOMZE-MARY, H. ..	Belgium : Liège ..			
SOPWITH, T. ..	United Kingdom ..			
SORBY, R. and Sons ..	England : Sheffield ..			
SOREL — ..	France : Grenelle ..			
SOUHEYRAN, Louis ..	France : St. Jean du Gard ..			
SOUTHWELL, W. ..	England : 16 Baker-st. ..			
SPEIDE — ..	India ..			
SPENCER, J. and Son ..	England : Newcastle-upon-Tyne ..			
SPENCER, J. A. ..	England : 9 Westbourne-place, Hyde Park ..			
SPENGLER, Charles ..	Saxony : Crimmnitzshau ..			



NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
SPICER, Brothers .. ..	England : New Bridge-st.	A collection of papers, showing the present state of the paper manufacture in England ..	17	Writing-papers, Joyson's extra superfine quality. Large bank post. Imperial, royal, and demy. Foolscap, for account books. Superfine fine plate papers, for engravings and lithograph printing. Superfine printing papers. Fine news. Fine long elephant, in a sheet of 750 yards in length. Fine double long elephant, in one sheet, 46 inches wide, and 2,500 yards in length, for paper staining, &c. Long elephant, for paper-hangings. Brown papers from pure rope, very tough for packing. A sheet of brown paper, 93 inches wide, 420 feet long. Millboards, for bookbinding.
SPIGLAZOFF, Alexis .. ..	Russia : St. Petersburg ..	Russian cigarettes, from Russian-grown tobacco ..	3	Tobacco.
SPORLIN and ZIMMERMANN	Austria : Vienna .. ..	Application of block printing to illustrate works ..	26	{ Paper-hangings, ceilings, and borders. Illustrations of machinery and parts of machinery, for the use of schools. Paper-hangings, prints.
SPURIN, E. C. .. ..	England : 37 New Bond-st.	Toys .. ..	29	Mechanical toy-model of an English farm, with figures, thrashing-machine, windmill, &c., in action. Gulliver in Lilliput.
SQUIRE, R. .. ..	Canada : Bowmanville ..	Oatmeal .. ..	8	Two barrels of oatmeal.
SQUIRE, P. .. ..	England : 277 Oxford-st.	Chemical and pharmaceutical products ..	2	{ Pharmaceutical extracts. Chloroform and other inhalers. Apparatus for preparing infusions.
STACHEL-WILD, C. .. ..	Switzerland : St. Gall ..	Embroidered table-covers &c ..	19	Embroidered table-cloths. curtains, and handkerchiefs. French cambric.
STAFFEL, I. A. .. ..	Russia : Warsaw .. ..	Calculating machine, machine for weighing precious metals, &c. Manufactures from Cheverton's artificial ivory ..	10	Calculating machine. A machine for weighing of precious metals.
STAIGHT, D. and Sons ..	United Kingdom .. ..	Ivory veneers .. ..	29	Manufactures from ivory.
STAIGHT, D. and Sons ..	As above .. ..	Carved ivory and pearl ..	28	As above. Turning and carving in ivory. Carved ivory chessmen, the Crusaders. Carvings in pearl.
STAMIN and Co. .. ..	France : Thann .. ..	Spinning frame .. ..	6	A spinning mule, with 120 spindles.
STANCOMB, W. and J., junrs.	England : Trowbridge ..	Trouser goods .. ..	12	Fancy single elastic and fancy single moleskin, all wool.
STANBORTH, T. .. ..	England : Hackenthorp, Sheffield ..	Scythes and sickles ..	21	Sickles and hoes ; scythes and hay-knives.
STANLEY, W. P. .. ..	England : Peterborough ..	Linseed and barley crusher ..	9	A two-horse portable steam-engine. The farmers' steam cooking apparatus. Cake-breaker, for sheep, cattle, and manure. Roller-mill. Chaff-engine. Turnip-cutter.
STAFFER, J. .. ..	Switzerland : Zurich ..	Plain coloured, striped, and check gros-de-Naples ..	13	Silk stuffs. Velvet for waistcoats, aprons, handkerchiefs. Exhibited for cheapness and quality.
STARR, C. .. ..	America : New York ..	Bookbinding machine ..	6	Two machines to be used in bookbinding ; one for backing, the other for finishing the backs. Books for the blind ; two Bibles. Quarto Bible, to show the style of work effected by the above machines.
STAUB, Brothers .. ..	Switzerland : Zurich ..	Figured silks .. ..	13	Silk stuffs. Velvet for waistcoats, aprons, handkerchiefs. Exhibited for cheapness and quality.
STERGMAN, H. and Co. ..	England : Nottingham ..	Lace curtain .. ..	19	Figured lace curtains, made entirely on the lace machine, by Jacquard application.
STILL, W. and P. .. ..	Scotland : Edinburgh ..	Cooking apparatus ..	22	Kitchen range, including apparatus for heating water for a bath.
STEIN and WEBSTER ..	England : Sheffield ..	Scissors .. ..	21	Scissors. Surgeons' scissors. Tailors' shears. Gendron and slide pressing shears.



NAME.			LOCALITY.		ARTICLES REWARDED.		Class.	DESCRIPTION OF ARTICLES EXHIBITED.	
STEFAN, W. . . . .	..	..	Sardinia : Turin . . . . .	..	Silk embroidered tableaux	19	19	Two large silk embroidery tableaux.	
STEIN and SCHRODER . . . . .	..	..	Duchy of Hesse-Monitz . . . . .	..	Hops . . . . .	3	3	Several specimens of hops.	
STEINBACH, J. J. . . . .	..	..	France : Petit Quevilly, nr. Rouen . . . . .	..	Starches . . . . .	4	4	Starch, fecula and gums, made use of in the manufactory of printed calicos	
STEINBOCH . . . . .	..	..	Austria . . . . .	..	Samples of oil	4	4	Samples of oil.	
STEINER, T. and Co. . . . .	..	..	England: Church, nr. Acreington, } Manchester . . . . .	..	Turkey red, plain dye and printed	18	18	Cotton fabrics, dyed Turkey red, and printed in various colours.	
STEINER, C. . . . .	..	..	France : Ribeaupville . . . . .	..	Turkey red, plain dye and printed . . . . .	17	17	Plain red dye : printings on Andrianople red.	
STEPHENSON, BLAKE and Co. . . . .	..	..	United Kingdom . . . . .	..	Types . . . . .	28	28	A varied assortment of printing type.	
STEVENSON, J. J. . . . .	..	..	England : Sheffield . . . . .	..	Combs . . . . .	27	27	Ladies' ornamental dress and other combs, manufactured from ox and buffalo horns.	
STEVENS and Son . . . . .	..	..	England : 186 Drury-lane . . . . .	..	Martin's cement . . . . .	6	6	Martin's cement, for internal walls, plain and coloured decorations.	
STEWART, D. Y. and Co. . . . .	..	..	Scotland : Glasgow . . . . .	..	Mould making machine for cast iron pipes . . . . .	1	1	Model of mould-making machine for cast-iron pipes. Pipes 44 inches diameter, cast in moulds made by the machine. Machine for testing the strength of cast-iron.	
ST. HUBER, Ed. de . . . . .	..	..	Belgium : Bouvignes . . . . .	..	Millstones . . . . .	15	15	A horizontal millstone. A perpendicular millstone. Fragments, samples of millstones.	
STIEFF and HARRASS . . . . .	..	..	Prussia : Potsdam . . . . .	..	Variety of vestings . . . . .	29	29	Specimens of embossed silk, representing the Neptune grotto, built by Alexander the Great, at Sans Souci. Gentlemen's silk cravats, Silk waistcoating. Embroidered waistcoats.	
STIER, H. . . . .	..	..	Russia : Warsaw . . . . .	..	Soaps . . . . .	22	22	Toilet soap.	
STIRLING, Morties J. D. . . . .	..	..	Canada : Montreal . . . . .	..	Alloy bell, for cheapness, patent . . . . .	27	27	Alloy-bell.	
STIRLING, T., jun. . . . .	..	..	England : Lambeth . . . . .	..	A collection of manufactures in slate . . . . .	10	10	Slate cabinet, exhibiting the various applications of slate. Filters. Ornamental loo-table top. Sofa and side-table, ornamental tops. Chess or ladies' work-table tops. Specimens of roofs covered with slates from the Bangor quarries.	
St. JOHN, John H. . . . .	..	..	America . . . . .	..	Detector compass . . . . .	16	16	Detector compass.	
STOBVASSER, C. H. and Co. . . . .	..	..	Prussia : Berlin . . . . .	..	Japan articles, &c. . . . .	19	19	Japan articles, ornamented with paintings, &c. Lamps in German silver; bronze, brass, and composition, gilt.	
STOCKHILL, W. . . . .	..	..	England : Southwark . . . . .	..	Specimens of boot fronts	10a	10a	Wellington boot fronts and graft, waterproof.	
STOCKWARD, Brothers . . . . .	..	..	Belgium : Grammont . . . . .	..	Black point laceshawl, &c. . . . .	2	2	Shawls, half-shawls and scarfs, of black silk lace. Mantilla veils.	
STODART, Wm. and Son . . . . .	..	..	England : 1 Golden-sq. . . . .	..	A square pianoforte	22	22	Berthe. Parasols. Head-dresses.	
STOEHRER, E. . . . .	..	..	Saxony . . . . .	..	Electric telegraph . . . . .	1	1	Horizontal grand, and compact square pianoforte.	
STOHMANN and WUSTENFELD . . . . .	..	..	Prussia : Neusalzwerk, nr. Minden . . . . .	..	Chemical preparations . . . . .	2	2	Electric telegraph.	
STROBER, T. F. . . . .	..	..	Württemberg : Stuttgart . . . . .	..	Brass and steel wire, &c. . . . .	22	22	Chemical products from the mother ley of the salt works near Minden, chiefly combinations of bromine.	
STROBERG, Eschweiler Mining Company in . . . . .	..	..	Prussia : Stolberg . . . . .	..	Lead and zinc . . . . .	1	1	Brass and steel wire; metal wire for the manufacture of paper; metal wire gauze; brass wire and horseshair sieves.	
								Samples of lead and zinc ore. Piece of silver, weight about 11 lbs. Spelter, and refined lead.	



NAME.			LOCALITY.		ARTICLES REWARDED.		Class	DESCRIPTION OF ARTICLES EXHIBITED.	
STOLBERG, Wernigerode Count	..	..	Prussia : Isenburg	..	Cast iron Gothic vase &c.	..	22	A Gothic vase, intended for a fountain. A window-frame. A garden-table. A marble table ; the marble from the mines in the neighbourhood. A Corinthian and a Gothic stove, &c., exhibited as specimens of casting in iron.	
STORKEE, Brothers ..	..	..	England : 4 Arthur-street, New Oxford-street	..	Beer machine	..	22	Beer machine, counters, spirit tap, lift pumps, &c. Air-tight bottles, indestructible pewter pots.	
STOTZER, Frederick..	..	..	Switzerland : Buren, Canton of Berne	..	Fine files	..	21	Files used for clockmaking, and polishing instruments.	
STOWELL and SUGDEN	..	..	England : Bradford	..	Mohair yarns	..	12	Crimson and white-fold mohair chair.	
STRAHL, Otto ..	..	..	Prussia : Frankfurt-on-the-Oder	..	Earthenware	..	25	Gilt and decorated fruit-vases. Coffee and tea-service. Cake-dishes, cabarets, &c. Assortment of white crockery ware of the best description.	
STEAUSS, J. ..	..	..	Sardinia : Turin	..	Pipes..	..	29	A set of tobacco-pipes and porte-cigars, in white talc, carved and ornamented.	
STRAZZA, Giovanni ..	..	..	Austria : Milan	..	Marble statue of Ismael..	..	30	Statue in marble : Ishmael in the Desert.	
STRICKLAND, Maria ..	..	..	England : 8 New Bond-st.	..	Flowers in wax	..	29	The "Victoria Regia," in its various stages of development, with each side of leaf modelled to nature. Roses, night-blowing cerus and other cacti. Orchidaceous plants.	
STROBE, W. ..	..	..	England : 16 St. Martin's-le-Grand	..	Gas stove	..	22	Gas cooking range, boiler, stoves, and signal lamps.	
STROBE and Son	..	..	Saxony : Leipzig	..	Vase ..	..	23	Silver works : a vase with fifteen silver flowers.	
STUART, W. ..	..	..	England : Plymouth	..	Model of Plymouth Break-water	..	7	Limestone model of the breakwater in Plymouth Sound, with silver light-house and beacon, made for the Exhibition under the direction of the Lords of the Admiralty ; with sectional and other models.	
St. UBERY —	..	..	France : Tarbes	..	Collection of woods	..	4	Specimens of indigenous woods, prepared for cabinet work.	
STUBS, Peter ..	..	..	England : Warrington and Rotherham	..	Small files	..	21	Blister and shear steel. Cast steel. Coach-spring steel. Lancashire files and tools. Magnets made according to the system of the Rev. W. Scoresby.	
STURGE, J. E.	..	..	England : Birmingham	..	Red phosphorus	..	2	Crystals of chlorate of potass and amorphous phosphorus.	
STUTCHBURY, J. S. ..	..	..	British Guiana	..	Woods and oil	..	4	Vertical section of greenheart tree from river Demerara. Transverse sections of letter-wood from river Corentyne. Laurel and crab oils.	
SUBLIME PORTE, the	..	..	Turkey	..	Hard wheat, and a very fine collection of Turkish tobacco, also honey	..	3	Twenty-eight samples of wheats from Salonica, Damascus, Koniah, Adrianople, Tripoli, &c. Thirty-two specimens of tobacco from about twenty-five provinces. Common and wild honeys.	
SUGDEN, J. and Brothers ..	..	..	England : Keighley, Bradford	..	Genappe, mohair and poplin yarns, including also award for fabrics of English wool, combined with cotton	..	12	Plain and striped calimancoes, shalloons, merinos, cubicans, summer-cloths, union princettas, bombazets, &c. 800 specimens of yarns used in the manufacture of poplins.	
SUGDEN, BORRAS, and Co. ..	..	..	England : 22 Aldermanbury	..	Flowers in cambric	..	29	Artificial flowers. Feathers for ladies' bonnets and head-dresses, of British manufacture.	
SOLGER and STUCKELBERGER	..	..	Switzerland : Bale	..	Figured ribbons	..	13	Specimens of ribbons.	
SULZBERGER and AKERMANN	..	..	Switzerland : Meisterschwanden	..	Variety of Swiss straw plaits	..	20	Horse-hair and silk lace. Lace made of Ostindian hemp, horse-hair and silk. Specimen of cabas, cigar-cases, tassels, and straw-ments. Straw rope. Tresses of Indian hemp and silk. Bleached straw, bleached wood.	



NAME.		LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
SUSER, H.	..	France : Nantes and La Morinière	A good assortment of curried calf leather and boot fronts, and boots and shoes for exportation ..	16	Tanned leather. Curried leather. Boots and shoes for exportation.
SUSSE, Brothers	..	France : 31 Place de la Bourse, Paris	Bronze candelabra, fountains, &c. . . . .	22	Candelabras, statues in bronze and marble, clocks, statuettes.
SUTTER, J. J.	..	Switzerland : Bühl, Canton of Appenzell	Chintz, book robe, &c. . . . .	19	Curtains. Ladies dresses and handkerchiefs, embroidered. Pelérine mantelets.
SWAINE and ADENEY	..	England : 185 Piccadilly	A large assortment of whips and canes ..	16	Riding whip, mounted with gold, set with brilliants and rubies. Whips. Canes. Improved whip-socket. Horse and other brushes, with flexible backs.
SWAISLAND, C.	..	England : Crayford	Printed shawls of great excellence ..	15	Printed barège shawls. Printed Chinese velvet for furnitures, or Application Plush. Printed flannel for dresses.
SWINBURNE, R. W.	..	England : South Shields, and Newcastle-upon-Tyne ..	Glass dome, white flint glass ..	24	Silvered, naked, rough, and Venetian plates of glass. Pressed and coloured and opaque glass. Perforated glass. Glass domes. Glass pipes. Chemical apparatus. Glass trays, &c. Plate glass.
SYMINGTON, H. H. and Co.	..	Scotland : Glasgow	Harness window-curtains ..	11	Harness book-muslin and harness leno-muslin window-curtains, all woven in the Jacquard loom.
SYKES, D. and Co.	..	England : Leeds	Woollen cloths ..	12	Black milled cloth.
SYKES, J. and Son	..	England : Leeds	Woollen cloths ..	12	Woollens, fast, common, and woaded colours, wool-dyed & piece dyed.
TAHAN, A.	..	France : 30 Rue de la Paix, Paris	Ornamental cabinet work	26	Furniture, bookcases, flower-stands, coffers, tea-caddies, cigar and whisk-cases, &c. ; canes, watch-stands, clocks, writing-desks, folding stools.
TAHIR —	..	Turkey	Scissors ..	21	Scissors.
TALBOT and Co.	..	France : Toulouse	Scythes ..	21	Various kinds of scythes, cleavers, and files.
TALBOT, Brothers	..	France : Minneton Salom	Plough ..	9	A plough.
TANDLER, Stefan	..	Austria : Zinnevald, Toplitz	Wood fibre ..	4	Specimen of straw plaiting and straw flowers.
TANDLER, Stefan	..	As above	Straw flowers ..	28	As above.
TANN and Sons	..	United Kingdom	Safes ..	22	Fireproof iron safes, with hollow chambers filled with chemical salts.
TANNER and KOLLER	..	Switzerland : Herizau, Canton of Appenzell	Embroidered muslin dresses, &c. . . . .	19	Muslin scarfs, dresses, and shawls. Embroidered muslin curtains and robes.
TANNER, J. U.	..	Switzerland : Bühl, Canton of Appenzell	Embroidered work ..	19	Silk pocket-handkerchiefs. Curtain and bed-cover, muslin and silk embroidered. Pictures of silk.
TAO NGI	..	New Zealand	Collection of woods, &c. . . . .	4	Specimens of Taraseki and other native woods.
TAYLOR, J. and Son	..	England : Newsome, Huddersfield	Vestings ..	15	Fancy waistcoatings ; woolen trousers' goods ; shawls and scarfs ; ladies and children's dresses.
TAYLOR and Co.	..	England : Rochdale	Plushes made from waste silk ..	20	Specimens of hat silk plush.
TAYLOR and Son	..	England : Loughborough	Bells (and special approbation) ..	22	Improved bells and bell framing.
TAYLOR, Humphrey and Co.	..	England : Chelsea	Soaps and perfumery ..	29	British liquours distilled from foreign and English fruits, &c. Distilled water extracted from flowers, herbs, &c. Fancy scented soaps.



NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
TAYLOR, H. P. and W. C.	America : Philadelphia ..	Toilet soap ..	29	Transparent soaps intended to represent stained glass. Heckles.
TAYLOR, J.	England : Leeds ..	Heckles ..	6	
TAYLOR, W.	England : Nottingham ..	Machine for forming hemispherical paper shades from flat discs of paper. Ornamental paper work.	6	
TAYLOR, Henry	England : Sheffield ..	Machine for forming hemispherical paper shades from flat discs of paper. Engravers' tools ..	21	Tools for engravers, carvers, and print-cutters. Hand-drawn steel. Sculptors' chisels. Screw tools.
TAYLOR, J.	England : Wolverhampton ..	Locks ..	22	Bramah locks. Improved balance detector lever locks. Barron's chest and latch till-lock.
TAYLOR, B.	England : Clerkenwell ..	Tower of vegetable ivory	28	A tower with minarets, composed of upwards of 1,000 pieces, manufactured entirely of vegetable ivory.
TOCHENVERIKOFF —	Russia : Moscow ..	Woollen cloths ..	12	Amazona made of wool from the flocks of Count Nesselrode.
TRASDALE, William ..	United Kingdom ..	A good specimen of a life-boat ..	8	Model of a life-boat.
TEE and Son ..	England : Barnsley ..	Variety of fabrics ..	15	Linen drills. Linen and silk and linen vestings. Fancy vestings, mixed. Plain and fancy fabrics for dresses. Toilet cover. Linen saddle rug. Printed linen and cotton yarns.
TELLARD, C. M.	France : Lyons ..	Plain glacé silks, armures, moiré, antiques, and rep silks ..	13	Silk, mohair, velvet, taffeta, and other stuffs.
TEISSIER DU CROS, L. and E.	France : Vallerangue ..	Silk ..	4	Various samples of raw and thrown silk.
TEMPLETON, J. and Co. ..	Scotland : Glasgow ..	Axminster carpets, &c. ..	19	Axminster carpets ; hearth-rugs ; stair-carpeting ; Tournay table-covers ; and door or window-curtains.
TESTA, F.	Malta : Valletta ..	Carved stone ..	27	Vase of antique form, with satyrs, wreaths of flowers and vine-leaves, 5 feet 4 inches in height, and 2 feet 4 inches in breadth. Vase of antique form, with vine-leaves, 4 feet in height, and 1 foot 9 inches in breadth. Common vase, 1 foot 6 inches high, and 1 foot 4 inches broad.
TEXTIER, T., jun.	France : Niort ..	Specimens of buck, doe, and fawn leather ..	16	Gloves of deer, chamolais, castor, and sheep-skins.
THAMES PLATE GLASS COMPANY	England : London ..	Plate glass ..	24	Large specimens of plate glass.
THIBERT, J.	France : 38 Rue des Saints Pères, Paris ..	Inlaid cabinet ..	26	Articles of furniture, mantel-pieces, clocks, pictures.
THERET, J.	As above ..	Inlaid and other works in marble, and pietra-dura ..	27	As above.
THESEN, N. P.	Norway : Christiania ..	Carving in wood ..	28	Various objects, carved by Norwegian peasantry, in wood, as bucket, coal-tub and cover, tobacco and other boxes, jugs, spears.
THIER —	France : 39 Passage Choiseul, Paris ..	Téterelle ..	10c	Surgical instruments.
THIBERTY-MIEG	France : Malthouse ..	Collection of shawls ..	15	Various kinds of printed cashmeres.
THIBERTY, C. A.	France : 301 Rue St. Honoré, Paris ..	Gentlemen's boots ..	20	Revolving healed boots.
THOMAS and Sons	England : 20 Cornhill ..	Account books, for excellence of paper, ruling and binding ..	17	Ledgers in various sizes and bindings.
THOMAS and Son	England : 36 St. James's-st. ..	High class workmanship in boots, saddles, &c. ..	20	Household cavalry jack-boot ; other boots. Highland brogues. Re-
THOMAS, H.	Prussia : Berlin ..	Shaving machine for wool ..	6	gulation steel and gilt spurs. Model pump. Shaving machine for shaving, for holding apparatus.



DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.
THOMAS, C. X.	France : 13 Rue du Helder, Paris	Calculating machine	10
THOMPSON, Rev. Z.	America : Burlington, Vermont	Woods	4
THOMPSON, J. H.	United Kingdom	Sanitary trap, &c.	22
THOMPSON, Brothers, and Son	England : Manchester	Printed mouseline-de-laines (cotton warps)	18
THORNT, M.	Austria : Vienna	Chairs (bent wood)	26
THORNECROFT, G. B. and Co.	England : Wolverhampton	Railway-wheels and axles	5
THORNHILL, Walter.	England : 144 New Bond-st.	Garden tools	21
THORNTON and Sons.	England : Birmingham	Hydraulic lifting-jack	5
THORNTON, FERTH, RAMSDEN, and Co.	England : Leeds	Woollen cloths	12
THOMAS, A.	France : 44 Boulevard Beaumarchais, Paris	Stamped brass	23
THOURET, F. A.	France : 31 Place de la Bourse, Paris	Electrotypes	23
THURUP, F.	United Kingdom	Boy and butterfly, and Arethusa, both in marble	30
THURMAN, Pigeot, and Co.	England : Nottingham	Floss velvet gloves	20
THURSTON and Co.	England : Catherine-st., Strand	Billiard table	26
THURMER and TOPFFER	Saxony : Chemnitz	Cotton table cloths	11
TILMAN —	France : 2 Rue Ménar, Paris	Flowers in cambrie	29
TILMINS and Sons	England : Birmingham	Vices, hammers, &c.	22
TIZARD, W. L.	England : High-street, Aldgate	Model of a brewery	6
TOLSON and Sons	England : Huddersfield	Trouser goods, and vestings	12
TOMASSA, L.	Austria : Poggio	Willow plait	23
TOMLIN and Co.	England : Kettering	Sickles and shears	21
TOPPER, ANDREAS	Austria : Scheibbs	Sheet and bar iron	1
TOPPING, C. M.	England : Pentonville	Microscopic preparations	10

A. calculating machine, invented by the exhibitor.  
 Specimens of Vermont woods.  
 A sewer trap.  
 Printed cambries and de-laines, cotton warps, shot silk, and worsted ; printed cambries, &c., silk warps, shot silk.  
 Furniture : sofas, easy-chairs, arm-chairs. Stand of rosewood and walnut wood. A small round inlaid table of rosewood. Specimens of inlaid floorings.  
 Specimens of Brig.'s compound railway axle. Patent axle. Charcoal tire for railway wheels, and charcoal rails.  
 Steel chataigne, style of the old pierced steel-work. Instrument for pruning trees at any height. Flower gatherer. Cutlery.  
 Couplings for railway waggons. Shaft carriage axles. Hydraulic lifting jack. Steam-engine piston. Improved crown-head lifting screw jack. Improved double bar wrench for locomotive purposes.  
 Railway shovels, improved shapes.  
 Superfine cloths, silk and cotton warp, cashmerettes, and blankets.  
 Stamped, and cast-brass furniture ornaments.  
 Plated and electro-plated silver-work.  
 Boy catching a butterfly. Arethusa.  
 Thurman's silk hosiery.  
 Slate-top bi liard-table, made of Spanish mahogany with patent cushions, the legs and frame carved in the respective styles of Elizabeth and Francis I.  
 Damasks : silk, cotton, and wool imperial ; cotton imperial ; furniture in cotton and wool. Table-covers ; cotton and cotton and wool.  
 Fancy stuffs : robes, satin, laine façonné.  
 Artificial flowers, ball dresses, wedding head-dresses.  
 Carpenters' and farrers' tools. Shoemakers' tools. Vices, coach wrenches, saddlers' and upholsters' tools.  
 Model brewery.  
 Waistcoatings ; trouserings ; challi wool plaid for children's dresses.  
 Willow-straw for hats.  
 Sickles for reaping corn. Shears for sheep-shearing, wool-sorters, thatching and carpets.  
 Hoop and red-iron. Sheet iron. Ship, tender-roofing and tubing sheet iron. Welded tubes for manometers and water and gas-pipes.  
 Microscopic objects. Test-objects and fossil earths. Fossil and recent vegetable structures. Dissections of insects. Bone, teeth, shell, &c. Injected preparations.



NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
TORSHORWORK, Government of Trvel .. .. .	Russia : Trvei .. .. .	{ Shoes, slippers, and other articles .. .. . }	20	Shoes, slippers, and other articles.
TOUAILLON, C. .. .. .	France : 12 Rue Coquillière, Paris	Dressing machine for mill- stones .. .. .	6	Millstones ; and a dressing machine.
TOUCHE-GILLES, E. .. .. .	Belgium : St. Laurent .. .. .	Toilet and olive oil soaps .. .. .	29	Soaps made of olive oil. Tallow, soap, hog's-lard, cocoa butter.
TOUREY, H. .. .. .	Belgium : Liege .. .. .	An ornamental double gun, guns and arms .. .. .	8	Collection of fire-arms.
TOWLER, CAMPIN and Co.	United Kingdom .. .. .	Collection of shawls and first-class printed goods .. .. .	15	Norwich challi. Satin striped de-laines. Paramatta. Cloth and barège
TOWNE, J. .. .. .	England : Guy's Hospital .. .. .	Anatomical models in wax .. .. .	10c	Deep section of the head. Model of the neck, upper extremity, and
TOWNENP, Brothers	England : Cullingworth .. .. .	Genappe, mohair, and pop- lin yarns .. .. .	12	chest. Models illustrative of incubation.
TOWNSEND, PARKER, and TOWNSEND .. .. .	England : 182, Goswell-street .. .. .	Paper hangings .. .. .	26	Worsted heald and worsted genappe yarns ; mohair poplin ; worsted, and mohair, and alpaca yarns ; worsted welt and warp yarns.
TRANCART, A. A. .. .. .	France : 12 Rue Neuve St. Denis, Paris .. .. .	Tortoise-shell combs .. .. .	28	Paper-hanging decorations.
TRAVERS and Co. .. .. .	United Kingdom .. .. .	A collection of spices .. .. .	3	Tortoise-shell combs.
TRAVERS, L., jun. .. .. .	France : 146 Faubourg Poisson- nière, Paris .. .. .	Model of observatory, dome, and roof at Paris .. .. .	7	Samples of spices, including mace, nutmegs, cloves, cinnamon, cassia, pimento, black and white pepper, ginger, and caraway-seeds.
				A model of the upper part of the custom house. A model of the move- able cupola of the observatory. Various models of the use of hothouses.
TREADWYN, C. E. .. .. .	England : Exeter .. .. .	Honiton lace .. .. .	19	Devonshire, or Honiton point lace.
TREGGON, H. and W. .. .. .	England : 22 Jewin-street, and 57 Gracechurch-street .. .. .	Zinc window blinds .. .. .	22	Zinc window-blinds, mouldings, cornices, gutters, &c. Drawn and
TRELOAR, T. .. .. .	England : 42 Ludgate-hill .. .. .	Mats, &c., of cocoa-nut fibre .. .. .	28	moulded zinc bars for metal sashes.
TRELON, WELDON, and WEIL	France : Rue de Bercy, St. An- toine, Paris .. .. .	Buttons, and china knobs	22	Matting, door-mats, rug, mattress, brushes, brooms, bonnet, hat, seat- ing or fine cloth, of cocoa fibre, and Manilla hemp.
TREMBLAY, A., Baron du .. .. .	France : 3 Rue de Milan, Paris	Drawings by lithography { on porcelain or crystal }	25	China knobs of every kind.
				{ Specimens of drawings reproduced by Lithopany, upon porcelain or crystal.
TREMEL, A. and Co. .. .. .	England : Bradford .. .. .	Fabrics of worsted, alpaca, and mohair, shot with cotton, silk, and linen }	12	Plain alpaca lustres and chameleons ; figured Orleans ; twilled satteens ; figured Circassians, &c., in cotton warps, and piece dyed. Madonnas, or mixed alpaca lustres ; silk warp alpaca lustres, in natural colours, and piece dyed. Mixed alpaca coatings.
TRENTON IRON COMPANY .. .. .	America : New Jersey .. .. .	Iron of fine quality, ores, &c. .. .. .	1	Specimens of iron wire, rivets.
TREBERT, F. . . . .	France : 132 Rue Montmartre, Paris	Oboes, and a Cornet-lug- lese .. .. .	10a	Musical instruments.
TRELLOPE and Sons .. .. .	England : 15 Parliament-street	Ornamental furniture .. .. .	26	A sideboard in oak. A bed-room suite, consisting of bedstead, ward- robe, drapery table, toilette glass, and washing-stand, in satin wood, inlaid in marqueterie, worked with woods of their natural colours,
				A drawing room chair, carved and gilt.
				Iron articles of furniture for apartments and garden ornaments.
				A shearing finishing-machine.



NAME.	LOCALITY.	ARTICLES REWARDED.	ARTICLES REWARDED.	DESCRIPTION OF ARTICLES EXHIBITED.
TACHY, E. ..	France : 18 Rue du Petit Lion,	Black pearls ..	23	Imitation pearls. Imitation pieces, for jewellers.
TALLOCK, E. and Son ..	St. Sauveur, Paris ..	Guns, pistols, and rifles, ..	8	Double-barrelled guns. Centripetal double gun. Pistols, barrels, and lock manufactures.
	Ireland : Dublin ..	and barrels of good Damascus ..	30	Marble statue : The Young Shepherd, Giotto.
TUERLINCX, Joseph ..	Belgium : Mechlin ..	Marble statue of Giotto ..	4	Specimens of fixed oils ; woods.
TULLOCH, Lieut.-Col. ..	India : Madras ..	Fixed oils and collection of woods ..	29	Tunisian otto of roses, Otto of jasmin. Mixed essences. Essence of quince, of Benjamin, of oranges, of aloes, of apples, and of musk. Amber lozenges and necklaces. Pomatum made with musk, aloes, and jasmin. Saffron.
TUNIS, the Bey of ..	Tunis ..	Distilled perfumed waters (various) ..	22	Galvanized iron. Specimens of corrugated sheets for roofing purposes Electric telegraph, and fencing wire. Cast iron seat stands.
TUPPER and CARE ..	England : 3 Mansion House-place	Wire fencing (galvanized iron) ..	19	Amxminster carpet. Velvet pile tapestry carpet. Brussels carpet. Collection of skins.
TURBEVILLE, SMITH, BOYLE, and Co. ..	England : 9 Gt. Marlborough-st.	Carpets, &c. ..	20	Collection of costumes.
TURKEY, the Sultan of ..	Turkey ..	Collection of skins ..	20	Collection of pipes, soap, candles, and confectionary.
TURKEY, the Sultan of ..	As above ..	Admirable collection of costumes ..	21	Pair of Albert venison-carvers, with stag antlers. Carved table cutlery. The Prince of Wales's sailor's knife. Gardeners' cutlery : sports-men's knives ; razors ; pocket and penknives. Stone, circular, hand, and back saws. Files.
TURKEY, the Sultan of ..	As above ..	Collection of horn and ivory ..	22	Fire-irons of various descriptions, elaborately cut and ornamented, including the Cyma Recta. Chocolate in lozenges and various forms. [cluding the Cyma Recta. Illustrations of steel manufacture from Swedish bar iron. A large assortment of files, edge-tools, and cutlery. Springs for locomotive engines, railway carriages.
TURNER, Thos. and Co. ..	England : Sheffield ..	Collection of pipes, soap, candles, & confectionary ..	21	As above. Rock-salt from the salt-works of St. Leopold. Salt obtained from the evaporation of saliferous waters. Specimens of alum dug in Tuscany, and purified alum. Specimens of sulphur dug in Tuscany, and purified sulphur. Specimens of iron ore from the royal mines of the Elba Island. Specimens of copper ore, dug in Tuscany, and from unwrought mines of a well-known produce. Specimens of lead ore, dug in Tuscany. Specimens of quicksilver, dug in Tuscany, and from unwrought but of a well-known produce. Specimens of colouring and Tripoli earth from Elba Island and other parts of Tuscany. Specimen of sulphur, from the sulphur mines of Pereta, native & wrought sulphur. Specimens of alum, from the royal alum pit of Monfiumi. Crystallized alum, from the same alum pits. Specimens of the ore, cinabar, and metallic quicksilver, from the mines of Levigiane, Ripa, Yane, Castellazzara, Pian Castagnato and Capita
TURNER, H. and Co. ..	England : Sheffield ..	Fire irons ..	1	
TURPIN, F. A. ..	France : 28 Rue Richelieu, Paris ..	Chocolate ..		
TURTON and Sons ..	England : Sheffield ..	Quality of steel ..		
TURTON and Sons ..	As above ..	Files ..		
TURTON and Sons ..	As above ..	Files ..		
TUSCANY, ROYAL MINES of ..	Tuscany : Volterra ..	Illustrative mineral and metallurgic series ..		



# DESCRIPTION OF ARTICLES EXHIBED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	
VENTUROL and CHASSANG ..	France : 21 Rue des Gobelins, Paris	Boot fronts manufactured from Bordeaux calf-skins	16	{ Leather. Legs of boots ; upper leather for shoes ; black and japan- ned calf-leather.
VERBECKE, J. P. ..	Belgium : Grimbergen ..	Flax ..	4	{ Samples of dried and peeled flax, with its seed ; grown in 1850.
VERHELST, F. ..	Belgium : Grimbergen ..	Hemp ..	4	Raw hemp. Peeled hemp, grown in 1850.
VERSTAEK, L. N. ..	France : 6 Rue Beujoylais, Paris	Strong boxes, and safes ..	22	Strong boxes, or safes.
VERZA, Brothers ..	Austria : Milan ..	Silks ..	4	Cocoons. Raw, and spun silks. Silk fabrics.
VERZA, Brothers ..	As above ..	Trams ..	13	
VESSEIRE, A. ..	France : Puteaux ..	Merinos ..	18	Dyed stuffs of merino wool.
VERZEN, Brothers ..	France : Ligugé ..	Gluten (granulated) ..	3	Specimens of gluten.
VICARS R. ..	England : Padbury ..	Lace ..	19	Lace. Crowns for infants' caps. Insertion. Laces for bordering caps.
VICKERS, James ..	England : 23 Little Britain ..	Russian isinglass ..	19	Isinglass, cut and uncut.
VICKERS, William ..	England : Nottingham ..	Lace shawls, &c. ..	3	Black silk lace shawls, scarfs, mantles, falls, &c., from the pusher bobbinet machine, and embroidered.
VICTORIA FELT CARPET COME.	England : Leeds ..	A carpet, and felt cloth ..	19	Felt carpeting. Printed and embossed table-cloths ; window curtains.
VIELLE MONTAGNE ZINC	Belgium : Liege ..	Oxide of zinc ..	2	Specimens of zinc and other ores, and metals, and chemicals.
VIENNA, Depot of the Im-	Austria : Vienna ..	Iron and steel (cast), and cinnabar ..	1	{ Cast steel from iron-ore. Styrian scorie, and slags from iron-ore. Raw steel, wheel-tires, rails, angle-irons, and tools from Neuberg, in Styria. Sparry iron ore, and cast-iron, from Mariazell.
VIENNA IMPERIAL PRINTING	Austria : Vienna ..	"Paradissus Vindobonen- sis," in chromo-litho- graphy ..	80	Specimens of typography, and printing of all descriptions.
VIEWEG and Son ..	Prussia : Brunswick ..	Variety of publications ..	17	Sundry books.
VIGNAT, Brothers ..	France : St. Etienne ..	Chine ribbons, and some figured ribbons ..	13	
VIGNOLES, C. ..	England : 4 Trafalgar-square ..	Suspension bridge, for model	7	Silk ribbons.
VILLEMENS, F. ..	France : 71 Rue du Temple, Paris	Candelabra, &c. ..	23	{ Model of the wrought iron bar, chain suspension bridge, at Kieff (Russia), now erecting across the Dnieper ; the largest work of the kind hitherto executed.
VILLEROY and BOCH. ..	Prussia : Wallerfangen Mettlach	Stoneware ..	25	Bronze tabernacle candelabras, groups, lamps, &c. Fine stone-ware, decorated with ornaments of the same material, but differently coloured with platinum, gold, and paintings. Common and fine pottery-ware. Kitchen pottery of black material, with white enamel, called iron-ware.
VIOLETTE, J. H. M. ..	France : St. Omer ..	Charcoal ..	4	Ship-biscuits baked by immersing the stone, or the dough, in high pressure steam. Charcoal obtained by immersing wood in the same. Mercury distilled by the same process, for amalgamating it with gold or silver.
VIREBENT, Brothers ..	France : Toulouse ..	Manufactures in artificial stone ..	27	Artificial stone ; capitals ; monuments ; ornamental chimneys in the renaissance style.
VIZANAGRAM, Rajah of	France : Argenteuil ..	Chronometers ..	10b	Large and pocket chronometers, indicating minutes and seconds.
VOGEL and CARNER	India : Gurga, Reims France : Gurga, Reims	Levantine ..	4	Specimens of fixed oils, coloured, and woven in the Jacquard loom, Cotton goods, figured, and English cotton yarn ; chiefly in demand in European Turkey, and in Persia.



NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBED.
Vogel W. .. ..	Saxony: Chemnitz .. ..	Damasks .. ..	12	Stuffs; woollen, cotton, and silk mixed. Fancy articles, named satin laine, satin laine rye sole, satin cotton, &c.: damask mi-sole velouté, royal mi-sole, royal coloured, woollen and silk mixed. Wool-len, silk, and cotton. Woollen and cotton.
Volkhonsky, Prince	Russia: Orel .. ..	Hemp and starch .. ..	4	Hemp.
Volsor, — .. ..	Russia: Moscow .. ..	Woollen fabrics .. ..	12	French merinos, cashmeres, mousseline-de-laines, and satin-de-laines.
Von Bauck and Sons	Prussia: Crefeld .. ..	An assortment of plain velvet, and velvet ribbons	13	{ Fine black and coloured ribbon velvets, all silk. A variety of fancy and figured silk ribbon velvets. Plain silk broad velvets. Fancy silk velvet vestings.
Vyse and Sons .. ..	England: 76 Wood-street .. ..	Case of bonnets .. ..	20	Ladies' bonnets, of finest quality, produced from wheat-straw, plaited and made up by the hand. Fancy horse-hair and straw: the materials made by the loom, and then sewn into bonnets by the hand.
Vyse and Sons .. ..	Tuscany: Prato .. ..	Leghorn hats and capotes	20	Leghorn: the material produced in Italy, the bonnet formed in London.
WERNMANN, SEYBEL, & Co.	Austria: Vienna .. ..	Chloride of potassium .. ..	2	Straw bonnets.
Wakefield, F. .. ..	England: Mansfield .. ..	Cooking apparatus .. ..	22	Chemical productions, including tartaric acid, vinegar, acetic acid, acetate of sodium, arsenic acid, chloride of lime, arseniate, sulphate, and muriate of potass.
Waldrox, W., and Sons .. ..	England: Stourbridge .. ..	Scythes .. ..	21	Great Western cooking apparatus. Sherwood range. Artizan's cooking stove, &c. Wrought-iron palisading. Iron casting of antique bronze statuette of Bacchus.
Walker, J., and Co. .. ..	England: Lindley, Huddersfield .. ..	Mohair cloths .. ..	12	Scythes, crown chuff knives, hay-knives, American grass-hooks, hedge brushing hook, and pea-bill hook.
Walker, J., and Sons .. ..	England: Millshaw, Leeds .. ..	Woollen cloths .. ..	12	Mohair cloths, various colours, for making and trimming ladies' pa-letots.
Walker, C. V. .. ..	England: Tonbridge .. ..	Graphic batteries, &c. .. ..	10	Buffalo, alpaca, mohair, and dog hair-cloth for ladies' cloaks and men's overcoats: a new material.
Walker, E. .. ..	England: 6 Cardington-street .. ..	Perforated brass .. ..	22	Modes of insulation of telegraph wires, compound needle, bell trans-fer, branch double turn-plate, lightning conductors, graphite bat-tery, and other electric telegraph apparatus.
Walker, R. .. ..	England: Birmingham .. ..	Metallic pens .. ..	22	Perforated brass, containing from eight thousand one hundred to fourteen thousand four hundred square holes to the square inch.
Walter and Co. .. ..	United Kingdom .. ..	Monumental brass .. ..	22	Specimen of percussion caps; metallic gun-wadding: gold, silver, and steel-pens; and ladies' dress fasteners.
Wallich, Dr. N. .. ..	United Kingdom .. ..	Collection of chemical and pharmaceutical preparations .. ..	2	Monumental brass for an altar tomb; the story of the good Samaritan.
Wallis, T. W. .. ..	England: Louth .. ..	Carvings in wood .. ..	30	Collection of chemical and pharmaceutical preparations. Spring, represented by grape-buds, apple-blossoms, &c. Group of dead game. The golden plover. Group of fruit, flowers and corn, &c., all carved in lime-tree wood.



# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	
WALMESLEY, H.	England : Paisworth, near Manchester	Poplins .. .. .	15	{ Goose's patent Jacquard machine. Table-cloths manufactured by power materials, with view of the "Exhibition Building," 80 inches wide, 110 long, &c. Specimens of figured weaving, &c. by power.
WALSH, William	England : 7 Buckingham-place, Fitzroy-square	Wetted cork soles .. .	20	{ Pair of shoes.
WALTERS and Sons	England : Wilson-street, Finsbury	Black plush, for hats ..	13	{ Silk plush for hats.
WALTERS, J., and Co.	England : Sheffield	Cutlery .. .. .	21	{ Specimens of cutlery.
WATERS, B. and P.	England : Wolverhampton	Locks .. .. .	22	{ Locks, for furniture doors.
WATSON and Co.	England : Wolverhampton	Japanned ware .. ..	22	{ Coal vase and scoop ; enamelled foot bath, pail, and sponging and milk cans ; black tin dish covers ; bronzed kettles and stands. Paper-maché, tin, japan, and enamelled goods, in wrought iron.
WANSBOROUGH, J.	England : 52 Little Britain	Waterproof cloth in imitation of velvet .. ..	28	{ A waterproof cloth in imitation of velvet ; each side can be made of a different colour, suited for upholsterers, binding of books, caps.
WANTIE, C. D. and Sons	Saxony : Gros-Schönau, near Zittau	Damask table-cloths, and napkins .. .. .	14	{ Manufactures in linen damask, viz : a large table-cloth, unbleached ; napkins, all linen, unbleached and white ; half-silk, crimson and chamois ; half-linen, red and white. Series of table-cloths, with napkins, of linen-bleached damask, including pieces executed in various years from 1770 to 1850, to show the historical progress of the art. Half-silk and silk damask napkins, partly with fringes.
WARD, STURT, SHARP, and WARD	England : Belper .. ..	Hosiery, &c. .. ..	20	{ Specimens of hosiery and glove manufactures. Lisle thread, merino, cashmere, silk, and spun silk.
WARD and PAYNE	England : Sheffield	Edge tools .. .. .	21	{ Edge tools in every variety, for various trades. Burnishers, braces, bits, turnscrows, spokeshaves.
WARD, J.	Ireland : Ramelton, Donegal ..	Iodine, &c. .. ..	2	{ Kelp manufactured from seaweed, and specimens of iodine, muriate of potash, sulphate of potash, &c., made from kelp.
WARD, J.	England : 5 & 6 Leicester-square	A bath chair, with patent noiseless wheels : the whole well shaped, well arranged, of excellent form, and well finished	5a	{ Four-wheeled pleasure-ground Victoria chair, lined with blue-figured satin. Improved recumbent chair for invalids. Spanish mahogany portable folding chair, for invalids.
WARD, W. B.	England : Clapham Rise ..	Botanical cases .. ..	10	{ Closed cases, by which plants may be grown in any locality, even in the centre of the most crowded cities, or conveyed from one country to another with complete success. Also improved closed cases for ferns, exotic and British.
WARD, C.	England : 36 Gt. Titchfield-street	A newly constructed bassoon and a pair of kettle drums .. .. .	10a	{ Kettle, bass, and side or signal drums. Flute. Newly constructed bassoon.
WARDLE, H. and S., and Co.	England : Macclesfield .. ..	Black plush for hats ..	13	{ Ladies' silk handkerchiefs, plain and checked, figured and chine. Handkerchiefs and cravats. Small silk shawls.
WARNER and Sons	England : 8 Crescent, Jewin-street	Japanned ware and bells	22	{ Water, steam, and gas cocks, valves, sluice cocks, &c. Various lamps. Standard weights and measures. A set on the decimal system. Check indicators. Musical hand-bells. Bells and elder engines. Tea urns and coffee pots of novel pattern. Improved water-closets, self-supplying pans, &c. the Contrail and bellows.
WARNER, —	United Kingdom .. ..	Growth and preparations of flax (exhibited by Messrs. Hives and Atkinson)	14	{ Yellow flax from Trelatingham, Norfolk. Blue flax grown in Yorkshire.



WARING, E..	Denmark: Copenhagen ..	A fur carpet ..	16	A carpet and foot-stool.
WATERSTON, GEORGE	Scotland: Edinburgh ..	Sealing wax ..	17	Specimens of sealing wax and waxes.
WATHESTON and FROGREN	England: 16, Henrietta-street, Covent-garden ..	Vase ..	23	{ A standard gold enamelled and jewelled vase, surmounted by group emblematical of Great Britain, with relics and busts of celebrated men, &c. Gold brooches, bracelets, necklaces, chains, seals, and rings.
WATKINS and HILL..	England: 5 Charing Cross ..	Dry pile apparatus, galvanometer, &c. ..	10	Improved barometric vacuum gauge. Sectional models of steam engines.
WATLOW-DEESPAUL	France: Lille ..	Chocolate ..	3	Chocolate of various descriptions.
WATSON, BELL, and Co.	England: 35 & 36 Old Bond-street ..	Carpets ..	19	Amster, and velvet-bordered Brussels carpets. Carpets manufactured in Masulipatam. Real Turkey carpets.
WATSON, —	Ceylon: Surdah ..	Silks ..	4	Specimens of silk.
WATSON, G. W.	America: Philadelphia ..	A sporting wagon, very neatly finished in all respects ..	5a	Trotting sulky.
WATSON, the late M. L.	United Kingdom ..	Statue of J. Flaxman, in marble; and Eldon and Stowell group, also in marble ..	30	{ Portrait statue of John Flaxman. Eldon and Stowell group, representing John, first Earl of Eldon, and William, Baron Stowell, 29 years judge of the high court of Admiralty.
WATT, James and Co.	England: London & Birmingham ..	Pair of horizontal cylinder steam engines, for screw propellers ..	5	{ Marine-engines, of the collective power of 700 horses, designed for driving the screw propeller by direct action. Models made in 1785, showing the early application of steam power to locomotion.
WATT, W.	Scotland: Glasgow ..	Iodine, &c. ..	2	Seaweed, with its chemical products: kelp, sulphate, of potash, chloride of potassium, carbonate of soda, and iodine.
WATTS, J.	England: 107 Edgeware-road ..	Chemical and pharmaceutical products ..	2	Pharmaceutical extracts.
WATTS, R. M.	Canada: Grantham ..	Polish oats ..	3	Barrel of oats.
WEBB, Brothers and Co.	Mauritius ..	Sugar ..	3	A bag of Mauritius sugar, product of manufacture of the Phoenix estate, obtained direct from the cane, expressed by a horizontal mill, and clarified by steam.
WEBB, Richard	England: Reading ..	Talavera wheat ..	3	Mummy Talavera wheat. Free-trade wheat. Wellington apple, famous for keeping.
WEBB, E.	England: Worcester ..	Coloured hair-cloth, and cloth composed of silk and hair, and for horse-hair carpets ..	16	Coloured hair-cloth, and cloth composed of hair and silk. Horseshair carpet, woven like Brussels carpet.
WEBB, T.	England: Stourbridge ..	Cut glass ..	24	Various patterns of glass, consisting of bowls and pedestals, dishes, ice-pails, pine-stands, decanters, flower-vases, pedestal lamps, lustres, vegetable fibres.
WEBER, L.	India: Java ..	Vegetable fibre ..	4	Carrara porcelain statuary. Copy of Portland, or Barberini vase, &c. blue jasper vase, with white bas-reliefs from the antique. Set of chessmen; thirty-four pieces, by Flaxman. Jasper. Red terra-cotta vases, with white bas-reliefs from the antique. Red terra-cotta vases, with black bas-reliefs from the antique. Volatic stone-ware trough. Cream-coloured, or Queen's ware. Coloured earthenware. Garden pots and stands.
WEDGWOOD, T. and Sons ..	England: Etruria, near New-castle-under-Lyne ..	Earthenware ..	25	
WEDON, Francis ..	England: Goldsmith-street, City ..	Lace ..	19	A rich British point-lace square, and specimen of flouncing.



# DESCRIPTION OF ARTICLES EXHIBITED.

NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	Specimens of silk.
WEGNER, J. R.	Switzerland : Bâle	Skein dyed silk	18	Quiltings and toillnets of various patterns.
WEIGER, J. J.	Wurtemberg : Ludwigsburg	Waistcoatings (with relation to cost)	11	{ Drawing-room fur carpets. Furled cloaks. Foxes stuffed so as to serve for stools.
WEINKECHT, T.	Belgium : Brussels	Two carpets made of fox-skins and other furs	16	An assortment of scythes.
WEISMEIER, G.	Austria : Spital-on-the-Pyhm	Scythes	21	Cabinet of surgical instruments for every operation in surgery. Avery's apparatus for examining the ear, throat, and different canals of the body.
WEISS and Son	England : 62 Strand	For collection	10c	Weiss's invalid bed chair, or couch.
WEISS, J. H.	Prussia : Mülhausen	Red Lakes	2	Produce of plants : madder lac-colours, for artistic painting. Madder covering-colours. Patterns coloured with the dyes.
WEISSFLOG, E. F.	Prussia : Gera, Reuss	Merinos, and brocaded "Satin de Chine"	12	Specimens of Thibet and satin-de-laine ; the same figured. Piece of embroidery on velvet.
WELCH SLATE COMPANY, the	Wales : Festiniog	Slate from Festiniog	1	Slate from Festiniog, Merionethshire.
WELCH, MARGETSON, and Co.	England : 17 Cheapside	Printed silk handkerchiefs	18	A selection of silk handkerchiefs, manufactured from China silk, and Indian Corahs, printed by the exhibitors.
WELCH, A. C.	As above	Braces, carriage rugs, ties, cravats, &c.	20	Robe-de-chambre, dress stock, dress full front stock ; wore, and embroidered linen shirt fronts. Improved travelling flannel shirt.
WELCH and SONS	England : 44 Gutter-lane	Hats and bonnets	20	Prince of Wales' belt. Cantab braces.
WELCH, THOS.	England : Merton	Printed table covers	18	Specimens of wheat-straw, straw platts, bonnets.
WELCKER, A. C.	Prussia : Wallersheim, near Coblenz	Potato starch	4	Printed and embossed cloth drawing-room table-covers, different designs and colourings.
WELLS, J. T.	England : Birmingham	Buttons	22	Farina, or improved potato starch ; the same, ground. Extensively used for stiffening muslins.
WEMMER, J.	Luxemburg	Shoes for labouring men.	20	Horn buttons.
WENHAM LAKE ICE COMPANY	England : 164a Strand	Refrigerator	22	Hunting boots. Shoes and boots, with single and double soles.
WERTHEIM, F.	Austria : Vienna and Scheibbs	Tools	21	Ice-safe or refrigerator, lined with glass enamel. Syphon water filter. An extensive variety of cabinet-makers', coopers', carriage-makers', leather-dressers', and turners' tools.
WESNTELD and Co.	Prussia : Barmen	Sulphite of soda	2	Specimens of soda-ash, for glass manufacturers ; caustic soda, from the red mother liquor of soda-ash, for soap-boilers ; chloride of lime ; antichlore, a preparation for neutralising chloride of lime after bleaching, for paper-makers.
WEST and Son	Ireland : Dublin	Irish brooches	23	Jewellery, embellished with Irish pearls and other gems, copied from antique Irish ornaments.
WESTALL and Co.	England : 69 Aldersgate-street	Manufactures in whalebone	28	Specimens of whalebone and manufactures from the same.
WESTLEY, J.	England : Playhouse-yard, Blackfriars	Bookbinding	17	Specimens of bookbinding by hand and by machinery.
WESTLEY and Co.	England : Friar-street, Doctors' Commons	Bookbinding, &c.	17	Specimens of bookbinding, in plain and ornamental styles.
WESTERMANN, A. H.	Prussia : Bielefeld and Cologne	Damaak and other linens	14	Various samples of white and coloured linen, manufactured from flax, spun by hand, woven on hand looms, and bleached on grass.
WESTSHORELAND, J.	England : Derby	Electrical machine	10	Gutta percha electrical machine.



NAME.			LOCALITY.		ARTICLES REWARDED.		Class.	DESCRIPTION OF ARTICLES EXHIBITED.	
WESTON, W. . .	..	..	Western Africa ..	..	Oils, &c. . . . .	..	4	Teak timber or African oak, for ship building, &c. Iron-stone, with the seed. Cotton cleaned without the seed. Palm oil. Benile seed and ground nuts, from which oil is extracted. Arrow-root. The root of arrow-root. Shea butter. Ginger. Coffee. Pod pepper. Cayenne pepper. Gum copla. African mats and small baskets, made there from dried grass. African country cloths, made there from their own cotton. All the produce of the Western coast of Africa.	
WESTRUP, W. and Co.	..	..	England : 232 Wapping ..	..	Corn mill .. .. .	..	6	Corn mill.	
WEX and LINDNER ..	..	..	Saxony : Chemnitz ..	..	Hosiery of great excellence	..	20	Men's, women's, children's, and boys' hose, half hose, gloves, jackets, drawers, caps, and other articles of hosiery.	
WETLAND, A. . .	..	..	France : 138 Vieille Rue du Temple, Paris ..	..	Vase .. .. .	..	23	Clocks and candelabra in bronze ; statues and groups in artistic	
WHEATSTONE and Co.	..	..	England : 20 Conduit-street ..	..	A novel invention of a } portable harmonium .. }	..	10a	Concertinas, treble, baritone, concert tenor, concert bass, double, &c. Symphonions. Portable harmoniums.	
WHITTLE, J. A. . .	..	..	America : Boston ..	..	Daguerreotype of the moon	..	10	Daguerreotypes.	
WHITE, T. J. and R.	..	..	England : Isle of Wight ..	..	Models of fine sailing and steam vessels, and yachts	..	8	Model of the steam-ship Vassite Tigaret, built for the Turkish Government. Designed for a 50-gun frigate, and for the first transatlantic steam-ship ; Medina steam-ship. Design for an ocean steam-ship of 3,000 tons. Steam-ship Vectis, built for the Peninsular and Oriental Company. Models of life-boats. Screw, steam, and sailing-ships of 2,500 tons.	
WHITE, J. B. and Sons	..	..	England : Westminster ..	..	Illustrations of Portland and other cements ..	..	27	(Illustrations of the strength of cement. Specimens of cements and plasters used for building purposes, illustrated by panels, pavements, skirtings, &c. Also trials, showing resistance of Portland cement. Specimens of concrete blocks.	
WHITE, — .. .	..	..	Ireland : Belfast ..	..	Flax .. .. .	..	4	Specimens of flax.	
WHITE, J. . . .	..	..	England : Isle of Wight ..	..	Models of vessels for merchant service & yachts, designed & built by him	..	8	Design for a new 90-gun ship. Models of H. M. S. Victory, Phaeton, steam-ship Termagant, and brigs Waterwitch, Daring, and Contest. Models of a schooner and a cutter yacht, Victoria yacht, built for the Emperor of Russia.	
WHITE, J. C. . .	..	..	England : 29 Liverpool-street ..	..	Silver-mounted harness with improved registered tug .. .. .	..	16	[harness, Silver mounted harness with improved tug. Light pony and tandem	
WHITEHEAD, J. . .	..	..	England : Preston ..	..	Tile machine .. .. .	..	9	Machines for the manufacture of drainage pipes and tiles. New machine for making and pressing bricks.	
WHITEHILL, M. and Co. . .	..	..	Scotland : Paisley ..	..	Merino shawls .. .. .	..	15	Scarfs, with tambooured ends ; and shawls, handkerchiefs, ar'd vest embroidered. Satin aprons, and babies' robes. Tamboured embroidered dresses, &c. Silk dresses.	
WHITEHOUSE and Co.	..	..	England : Wolverhampton ..	..	Iron tubes and fittings ..	..	22	Tubes and fittings for steam, gas, and water. Amalgamated Sweden iron for gun-barrels.	
WHITESIDES — ..	..	..	Van Diemen's Land : Hobart Town	..	Collection of woods ..	..	4	Black wood of Tasmania, polished on one side ; myrtle wood ; musk	
WHITLEY, E. . .	..	..	England : Yeovil ..	..	Habit lamb-skin gloves ..	..	20	Skin in various stages of manufacture, and gloves. [wool	
WHITFIELD, S. . .	..	..	England : Birmingham ..	..	Brass cornices, &c. . .	..	22	Window cornices, in stamped brass-foundry, with velvet, wainscot and knotted oak, rosewood, and white enamel ground. Wrought iron fire-proof safes.	



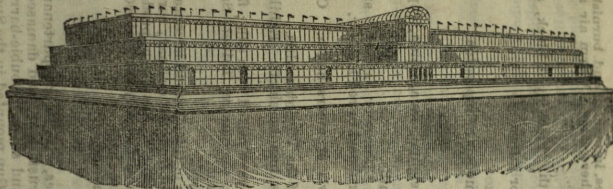
NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
WHITLOCK and BELMID	England : Nottingham ..	Laces .. ..	19	Machine-wrought cotton, Mechlin laces, needle embroidered. The groundwork made from No. 520 yarn, spun and doubled.
WHITMEE and CHAPMAN	England : 18 Fenchurch-street	Coffee-mills ..	22	Coffee-mill, corn crushers, machine for grinding and dressing flour at one operation ; smoke-jack.
WHITWELL, J. and Co.	England : Kendal ..	Carpets .. ..	19	Kidderminster carpeting. Twilled Venetian carpet, woven in a power-loom. Improved Brussels carpet. Berlin hearth-rug, new design and material.
WITKMAN, A. and Co.	Prussia : Augustenbütte, near Bonn	Products of distilled schist.	2	Mineral oil, bituminous paper coal, fossil black, paraffine, and fire-lac.
WIGHT, Dr. ..	India .. ..	Collection of various specimens of cotton.	4	Collection of various specimens of cotton.
WIGRAM, M. and Sons	England : Blackwall ..	Models of sailing and steam vessels, both paddle and screw ; designed & built for various merchant's services .. ..	8	Half models of ships.
WILD and ROBINSON	Prussia : Birkenfeld, Oberstein	Vases .. ..	23	Bronzes, flower vases, bracelets, &c., of agate.
WILKEY and Co.	England : Southwark ..	Mats, &c., of cocoa-nut fibre	28	Cocoa-nut fibre floor mattings, door mats, netting, &c. Cocoa-nut husks, fibre.
WILFORD, J. and Son	England : Brompton, near Northallerton ..	Plain and fancy drills, and China grass sheeting ..	14	Bleached sheeting, made from China grass, white linen-drills for military trousers. New drills, Commodore and Wellington.
WILKINS and WEATHERLEY	England : Wapping ..	Fine iron wire .. ..	1	Smith's galvanised and ungalvanised iron and copper wire ropes.
WILKINS and WEATHERLEY	As above .. ..	Metal ropes .. ..	22	Metal ropes.
WILKINS, W. C.	England : 24 Long Acre ..	Revolving floating light ..	7	Lantern and revolving apparatus for revolving light. Reciprocating dioptric apparatus for lighthouse.
WILKINSON and Son ..	England : 27 Pall Mall ..	Guns, rifles, pistols, and swords. Swords highly ornamented .. ..	8	Gun, with spiral recoil spring, for wild-fowl shooting. Fowling pieces. Rifle. Silver-gilt scimitar, ornamented with precious stones, &c. Regulation swords, &c. Highland claymore. Illustrations of the manufacture of gun barrels and sword blades.
WILKINSON, T. and G.	England : Sheffield ..	Scissors .. ..	21	Duplicate specimen of scissors manufactured for the Queen, with the ornamental work filed out of solid steel. Large assortment of scissors and shears.
WILKINSON and Son ..	England : Grimesthorp, Sheffield	Sheep shears, vice, & chains	21	Sheep and horse shears ; shears for gloves, hatters, and weavers.
WILKINSON, T.	England : 309 Oxford-street	Churn .. ..	9	Improved baker's mangle. Improved box churn.
WILKINSON John	England : Leeds ..	Felt cloths for ships sheathing & other purposes .. ..	12	New ship sheathing. Padding and wadding. Medical cloth backed with India-rubber, &c. Gun wadding.
WILLIAMS, J. and Son	England : Clerkenwell ..	Toilet and common soaps	29	Soaps used by cloth manufacturers, lace-bleachers, and woollen-manufacturers. Scouring soap. Mottled and yellow soap. Fancy soaps, perfumed.
WILLIAMS, C. C.	England : Glasshouse-yard, Goswell-street ..	Railway carriage .. ..	5	Railway carriage made of East India Moulinein teak, unpainted.
WILLIAMS, W.	England : Bedford ..	Light and heavy harrows	9	Four beam iron harrows. Wrought-iron ploughs. Chaffcutting machine for making drain pipes, tiles.



NAME.	LOCALITY.	ARTICLES REWARDED.	Class.	DESCRIPTION OF ARTICLES EXHIBITED.
WILLIAMS, J. . . . .	England : 29 Bucklersbury	Account books . . . . .	17	An assortment of ledgers.
WILLIAMS, H. . . . .	Ireland : Dublin . . . . .	Eccentric ivory turning . . . . .	28	Eccentric ivory turning without eccentric chuck.
WILLINGTON DUCK MANUFACTURING COMPANY	America . . . . .	Cotton sailcloth . . . . .	11	Cotton sailcloth.
WILLOCK, E. P. and Co. . . . .	England : Manchester . . . . .	Lady-shore terra cotta . . . . .	27	Specimen of Lady-shore terra cotta.
WILKS and BARTLET	England : Kingston-on-Thames . . . . .	Book-case and candelabra . . . . .	26	Bookcase of walnut-tree, combined with other woods in relief. Pair of candelabra, of three woods, in their natural colours.
WILSON, J. and Son. . . . .	Scotland : Glasgow . . . . .	Alum . . . . .	2	Alum slate, raw and manufactured. Iron pyrites and sulphate of iron. Sulphate of ammonia obtained from the distillation of coal.
WILSON, J. J. and W. . . . .	England : Kendal . . . . .	Railway wrappers and Windermere rugs . . . . .	12	A rare specimen of naphthaline.
WILSON, WALKER, and Co. . . . .	England : Leeds . . . . .	An assortment of coloured sheep, morocco, and calf leather . . . . .	16	Railway wrappers. Stout horse-clothing ; also fine and light, for race-horses.
WILSON and Son . . . . .	Ireland : Drogheda . . . . .	Thread hosey with lace fronts . . . . .	20	Coloured sheep-leather skivers ; coloured roans ; roller leather, for silk and cotton spinning ; chamois, or wash leather. Coloured calf and morocco.
WILSON and Sons . . . . .	England : Sheffield . . . . .	Shoe and butchers' knives . . . . .	21	Balbruggan stockings.
WILSON, R. and Co. . . . .	England : 49, Wardour-st., Soho . . . . .	Baths, various . . . . .	22	Knives for shoemakers, butchers, cooks, curriers, farriers, glaziers, and weavers ; palette knives, bread knives, butchers' steels.
WILSON, G. . . . .	England : 27, St. Martin's-court, Leicester-square . . . . .	Paper and millboard cutting machine . . . . .	6	Baths of various descriptions.
WILSON, T. H. . . . .	England : Twickenham . . . . .	Gate-bolts & slides for doors . . . . .	7	Paper and mill-board cutting machines.
WINDLE and BLYTHE . . . . .	England : Walsall . . . . .	Locks and steel pens . . . . .	22	Slides for excluding the wet and the cold from hall doors, shutters, hatchways, and port holes. Invention for securing carriage gates and coach-house doors.
WINKELMANN and Sons . . . . .	Prussia : Berlin . . . . .	Colours & lithographic prints . . . . .	30	Model of Strutt's door lock. Locks, corkscrews. Compensating and other steel pens.
WINKLER and Son . . . . .	Saxony : Rochlitz . . . . .	Chambard fabrics, mérinos, &c. . . . .	12	Lithographic prints ; coloured and executed by the exhibitors.
WINKWORTH and PROCTERS	England : Manchester . . . . .	Shot and glacé gros . . . . .	13	Worsted stuffs from soft worsted yarn ; satin double ; maroquin laine ; cuir laine ; popeline laine ; velours laine ; velours rayé ; Cachemire electa.
WINSON and NEWTON . . . . .	England : 38, Rathbone-place . . . . .	Figured and chiné silks . . . . .	29	Figured silks. Chiné silks, striped, watered, and plain silks.
WINTERFELD, J. . . . .	Prussia : Breslau . . . . .	Artists' colours . . . . .	2	Artists' pigment. Brushes and pencils for drawing and painting.
WIRTZ, J. . . . .	Switzerland : Berne . . . . .	Manufactures in amber . . . . .	28	Canvas. Palettes.
WISDOM, RUSSELL, & WHITMAN . . . . .	America : Cleveland, Ohio . . . . .	Wood carving . . . . .	28	Articles in yellow and white amber ; vase of yellow amber ; set of chess-men ; set of ladies' ornaments ; buttons for ladies' dresses ; amber top with a meerschauum pipe.
WITTEOP and Co. . . . .	Prussia : Brunswick . . . . .	Specimens of curled hair for furniture . . . . .	16	A table in white wood, with view of Tell's chapel, and the costumes of the twenty-two cantons. A table, with the view of the Handekall.
WITTEOP, KEMMEL, and Co. . . . .	Wurtemberg : Geislingen . . . . .	Macaroni, vermicelli, &c. Carved ivory toys & cane handles . . . . .	3	A desk, with a view of the Siessbach, and other articles in painted wood. Letter-back, with a view of the Wengeralp.
			29	Specimens of curled hair.
			29	Specimens of flour, groats, macaroni, and chocolate manufactured by hand and by steam.
			29	Bone and ivory toys for children. Fancy goods ; cane handles, brooches, baskets.



# PARTICULARS OF GLASS ARTICLES



EXHIBITED by Messrs. COGAN and Co., No. 48, LEICESTER SQUARE, LONDON, at the  
GREAT EXHIBITION OF 1851.

## A MODEL OF THE GREAT EXHIBITION BUILDING

**C**ONSTRUCTED OF GLASS AND METAL, and containing nearly 10,000 joints and perforations; made from the drawings of the Commissioners, upon the exact scale of 1 inch to 20 feet; coloured on the outside white and blue, and, in all respects, both externally and internally, correct; containing the Galleries, Staircases, Landings, Pillars, Girders, &c.,—can be packed to travel safely to any part of the world.

## A PORTABLE GLASS PAVILION.

Intended for Lawns, Pleasure Grounds, or Ladies' Tents, at Fancy Fairs, and can be formed as Verandas or Window Gardens, Dining-room screens, &c. It is comprised of the undermentioned descriptions of ornamental Glass—Enamelled, Vitrified, Embossed, Machine Etched, Painted, Stained, Engraved, Silicated, or Marbled, and Texturalised, or Lace-work, surmounted.

## A NEW GLASS CHURN.

This contrivance is chiefly recommended for its cleanliness. The dashers and inward arrangement being of wood only, totally free from metal of any kind, the wood action working on a glass centre is more easily kept sweet than any other churn, and is also easily worked. One of these churns (now deposited in the Agricultural Museum, Kildare-street, Dublin) obtained the prize of the Royal Dublin Agricultural Improvement Society, at their Meeting held on the 13th of August. All who wish one of the first delivery will please send name and address by early post. Glass milk pans, milk syphons, milk testers, pastry slabs, cream pots, and all other dairy glass.

## A GLASS FERN SHADE.

The stand is of wood, cased with Ornamental Glass, with Glass Mouldings; upon this Six Glass Pillars, of twisted form, support a Pediment of Glass, which is surmounted by a dome of Glass; in all about 4 feet high. The Ferns were planted six months since, and though they have had no attention paid them from the time of planting, are growing luxuriantly. Other Small Fern Shades can also be had.

## CONSERVATORY AND HOT-HOUSE GLASS.

Small Glass for pit frames and other garden lights; ready packed in boxes of every size, from 1d. per foot; Hartley's rough plate, strong sheet, and every kind of window glass.

## THE EXHIBITION GLASS PEN.

This Pen is formed out of a tube of Glass, and is blown into a bulb at the bottom, which being drawn to a point, represents, as nearly as possible, an ordinary pen: a very fine hole is then ground, through which the ink will pass into the bulb, by simply leaving the pen in the inkstand for a few minutes, if then taken out and wiped dry, it will write twenty letters, or may be used a whole day without the trouble of dipping, and (the ink being inside), neither fingers nor paper can be soiled. These pens have been sent to all parts of the world, and will, no doubt, become universally used.

## GLASS RULERS.—GLASS PAPER-KNIVES.

## PATENT GLASS LETTERS FOR SHOP FRONTS, LAMPS, WINDOW TABLETS, &c.

## GLASS PASTRY OR BUTTER SLABS.

The surface and polish of Glass being much harder and smoother than marble, slate, or wood, and of a cool nature, is considered to be preferable to either, and more easily kept clean. In conjunction with the above, the Stock comprises Glass Pastry Pins, Glass Knives, Glass Cream Pots, Glass and Milk Pans, Glass Preserve Jars, Glass Milk Testers, Syphons, for separating Milk from Cream, and other articles for Dairy purposes; Bee Glasses, Glass Slates, Glass Tiles, Striking, or Propagating Glasses, Bouquet Glasses, Hyacinth Glasses, Flower Labels, and samples of Garden Glasses generally; Rough Plate Glass for conservatories, Railway Stations, &c.: Glass Shades for covering Clocks and Ornaments. For priced catalogues, estimates, or other information, apply, either personally or by letter, to Messrs. COGAN and CO., Window Glass and Glass Shade Warehouse, 48, Leicester-square; Lead Pipe and Colour Warehouse, 5, Princes-street, Coventry-street; No. 6 and 8 stands, Illustrated Bazaar, Hungerford Market.

*For description of other Goods we deal in and manufacture, please read Catalogue.*



# Art Union of London.

444, WEST STRAND.

Instituted 1837. Incorporated by Royal Charter, 10th Victoria, 1847.

## PLAN FOR THE CURRENT YEAR.

Every Subscriber of One Guinea for 1852 will be entitled to;—

- I. An impression of a large and costly Plate, thoroughly national in its character, engraved in line by W. Holl, from the picture by W. P. Frith, A.R.A., "An English Merry-making in the Olden Time," now ready for delivery at the office; and
- II. The chance of obtaining one of the Prizes to be allotted at the General Meeting in April, which will include—
  1. The right to select for himself a valuable work of art from one of the public exhibitions.
  2. Bronze Casts.
  3. Statuettes in Porcelain, } made expressly for the Society.
  4. Tazzas in cast-iron,
  5. Proof impressions of a large Plate, engraved in line by W. Finden, from Hilton's celebrated picture, "The Crucifixion;" and
  6. Proof impressions of a Plate of "Queen Philippa interceding for the Burgesses of Calais," now being engraved by H. Robinson from the original prize picture by H. C. Selous.

GEORGE GODWIN, } Honorary Secretaries.  
LEWIS POCOCK, }

Jan. 1st, 1852.

## Dr. LOCOCK'S PILLS

ARE known throughout the World to be the BEST and SAFEST  
MEDICINE for LADIES. Sold by all Patent Medicine Vendors.  
The words "LOCOCK'S FEMALE PILLS" are engraved on the Government Stamp.

## ALPACA UMBRELLAS.

100,000 AND UPWARDS OF THESE UMBRELLAS  
HAVING BEEN PURCHASED BY THE PUBLIC, the Licensees and the  
Patentees deem this a sufficient proof that its advantages have been fairly demonstrated, and their  
anticipation of its superiority over any other material for an Umbrella has been fully borne out.  
These Umbrellas are now sold by most dealers in the kingdom, from 10s. 6d. each, and  
may be had wholesale of several large manufacturers, who have taken Licenses, as well as of the  
Patentees, at their Wholesale and Shipping Warehouse, 75, CHEAPSIDE.  
A large assortment of Umbrellas of various colours, of the best English and French Silks, and  
the PATENT PERLEVIS UMBRELLA, the lightest ever offered to the public.

W. & J. SANGSTER, Patentees,

140, REGENT-STREET, 94, FLEET-STREET, 10, ROYAL EXCHANGE,  
and 75, CHEAPSIDE.

Sole Agents for the United States, Messrs. F. DERBY & Co., 12, Park Place, New York.

## DENT'S PATENT WATCHES AND CLOCKS.

E. J. DENT begs leave to inform the Public that in addition to  
his extensive Stock of CHRONOMETERS, WATCHES, and CLOCKS, he has purchased  
most of the Watches manufactured in Switzerland for the purpose of the EXHIBITION of 1851.

E. J. DENT therefore solicits an inspection of his Stock, amongst which is the

### Smallest Watch in the World,

That attracted so much curiosity and admiration whilst at the Exhibition. Ladies' Gold Watches,  
8 guineas; Gentlemen's, 10 guineas; Youths' Silver Watches, 4 guineas; durable Lever Watches,  
6 guineas.

## E. J. DENT, WATCH AND CLOCK MAKER,

By appointment to the Queen, H.R.H. Prince Albert, and H.I.M. the Emperor of Russia.  
61, Strand (late 82), 33, Cockspur-street, and 34, Royal Exchange (clock tower area).

## TEETH.

MR. T. GODFREY, M.D., 51, MARGARET STREET, Regent-  
street, continues to SUPPLY ARTIFICIAL TEETH, of an unequalled beauty and dura-  
bility, on his peculiar new system of self-adhesion, which has been so highly recommended and  
approved of by the most eminent members of the dental and medical profession. While Mr. G.'s  
gold and materials are of the purest description, his fees are the same as those usually made for the  
most ordinary kind. Stopping, Scaling, Regulating, &c. 51, Margaret-street, Regent-street.

N.B.—FUNERALS PERFORMED IN TOWN OR COUNTRY.



# RADLEY'S FAMILY AND COMMERCIAL HOTEL.

RADLEY'S  
HOTELS,  
New Bridge Street,  
Blackfriars, London ;  
and Opposite the  
Railway Terminus,  
Southampton.



RADLEY'S  
HOTELS,  
New Bridge Street,  
Blackfriars, London ;  
and Opposite the  
Railway Terminus,  
Southampton.

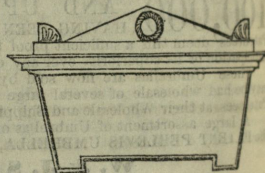
**Radley's Hotel, New Bridge Street, Blackfriars,**  
**HENRY HOLT**, Successor to the late Mr. Radley, begs to inform  
the public that this well-known Establishment, in addition to Hotel Accommodation for  
Families and Gentlemen, comprises large Rooms for Banquets, Soirees, Meetings, Masonic Lodges, &c.  
The Cuisine and Wines are of the first character, and a Fixed Charge for attendance.

## MARBLE AND STONE WORKS,

**Bear Yard, Lincoln's Inn Fields, London.**

**J. GAGAN** begs most respectfully to  
solicit the favour of your Orders. The long ex-  
perience he has had in the selection of the materials, and  
the working of them to Order and Design, is a guarantee  
of his superior execution, at Prices that cannot be com-  
peted with.

Chimney Pieces, &c., on view, to meet immediate demands,  
and always prepared to execute Orders.



N.B.—GENERAL MASONS' WORK TO ANY EXTENT, BY CONTRACT AND TO DESIGN.

WHITE AND  
ORNAMENTAL



BROWN  
LAVA.

## PATENT METALLIC LAVA,

Manufactured only by Messrs. ORSI and ARMANI.

**FOR THE INTERIOR OF CHURCHES, MUSEUMS, HALLS,**  
VESTIBULES, CONSERVATORIES, &c., &c. For Foot Pavement, Flooring, Covering  
Railway Arches Terraces, Roofs, &c., &c.

## SAMPLES LAY FOR INSPECTION.

List of Prices, and every Particular, may be obtained at the Office,

6, GUILDHALL-CHAMBERS, BASINGHALL STREET, CITY,

And at the Office of "The Builder."

## J. CROSS,

CARPENTER, BUILDER, AND UNDERTAKER,

279, HIGH HOLBORN, AND 27, EAGLE STREET.

ESTABLISHED 1827

N.B.—FUNERALS PERFORMED IN TOWN OR COUNTRY.



# GRESHAM

## LIFE ASSURANCE SOCIETY,

FOR ORDINARY & "DECLINED" LIVES.

OFFICES—37, OLD JEWRY, LONDON.

### Trustees.

MATTHEW MARSHALL, Esq., Bank of England,  
STEPHEN OLDING, Esq., Lombard Street.  
WILLIAM SMEE, Esq., Bank of England,

### Auditors.

GEORGE H. LADBURY, Esq.	THOMAS PERRY, Esq.
GEORGE LOWE, Esq., F.R.S.	WILLIAM WHITELOCK, Esq.

### Directors.

WILLIAM TABOR, Esq., <i>Chairman.</i>	
JOHN BEADNELL, Esq., <i>Deputy Chairman.</i>	
FREDERICK A. DAVISS, Esq.	EDWARD SOLLY, Esq., F.R.S.
J. LYNE HANCOCK, Esq.	W. H. THORNTHWAITHE, Esq.
DAVID LLOYD, Esq.	GEORGE TYLER, Esq.
ALFRED SMEE, Esq., F.R.S.	JOSEPH WILLIAMS, Esq.

*Bankers*—Messrs. ROGERS, OLDING, SHARPE, and Co.

*Medical Referee*—ALFRED SMEE, Esq., F.R.S., Surgeon to the Bank of England.

*Solicitor*—T. H. DEVONSHIRE, Esq., 29, Austin Friars.

*Secretary*—THOMAS ALFRED POTT, Esq.

This Office will be found highly eligible for every description of Life Assurance. Perfect Security is guaranteed by an ample paid-up capital subscribed by persons of the highest character and respectability.

The Policies are indisputable unless procured by fraud, and claims are promptly and liberally settled.

Policies may be effected without loss of time, the Directors, together with the Medical Officers, being in attendance at the Office every day.

The lives of individuals whose habits are regular and temperate, and who, though neither diseased, nor strongly predisposed to disease, have been declined by other Offices, are Assured at equitable rates; hence the probability of Lives being rejected by the "GRESHAM" is reduced to the narrowest limit.

Policy-Holders may obtain loans on real or personal security.

The funds of the Society are invested in the most advantageous manner, so as to promote security, and to afford the largest possible bonus to the Assured at the periodical divisions.

The management of the Society is conducted in the most economical manner, as is shown by the Annual Reports.

Upwards of three thousand Proposals for Assurance were received during the three years ending July, 1851, amounting in the aggregate to nearly a Million and a Half Sterling! and the Directors were enabled to invest upwards of Twenty-five Thousand Pounds in such period, chiefly from the Premiums taken.

A liberal Commission allowed to Agents and Solicitors.

N.B.—Active and influential persons will be appointed in districts where the Society is not already represented.

THOMAS ALFRED POTT, Secretary.



# PALLADIUM LIFE ASSURANCE SOCIETY.—Established 1824

## DIRECTORS.

Captain C. J. Bosanquet, R.N.  
Robert Cheere, Esq.  
Patrick Colquhoun, Esq., LL.D.  
Charles Elliott, Esq., F.R.S.

Sir James Buller East, Bart., M.P.  
William A. Guy, M.D.  
Henry Harvey, Esq., F.R.S.  
James Murray, Esq.

Philip Rose, Esq.  
Samuel Skinner, Esq.  
William Thomas Thornton, Esq.  
Joseph Esdaile, Esq.

Physician—Seth Thomson, M.D.

**NEW RATES OF PREMIUM.**—The Directors of this Society, with the view of meeting the wants and wishes of the large class of persons who prefer the present advantages of reduced premiums to a prospective bonus in the shape of an addition to their policies, have constructed a new scale, based on the safest and most approved data, viz., the Experience Tables, recently compiled by a Committee of Actuaries from the records of seventeen of the leading London offices.

The Society now offers the following advantages:—

The lowest Scale of Premium which can be safely adopted.

EXAMPLE TO ASSURE £100.

AGE.	FOR ONE YEAR.	FOR SEVEN YEARS.	FOR WHOLE LIFE.
	£ s. d.	£ s. d.	£ s. d.
20	0 15 11	0 16 6	1 13 1
30	0 18 5	0 19 6	2 2 10
40	1 2 8	1 4 10	2 18 7

Other ages at proportionate rates.

Undoubted security, guaranteed by a large capital; an influential proprietary; the long standing of the office; and the satisfactory results of its business. Facility in the settlement of claims. Liberty to travel in any part of Europe without extra premium. Loans equivalent to the value of the policies. To those who desire to secure the advantages of a prospective bonus, by a small additional outlay, the deed of settlement assigns four-fifths of the profits. Bonuses may be commuted for equivalent reductions of premium at the option of the assured, by which arrangement the amount originally assured may be kept up at a continually decreasing cost. Insurances effected on joint as well as on single lives, for short terms or otherwise, and to meet any specified contingency. The age of the life assured is admitted on the policy at the time of effecting the assurance, or at any other time, on production of satisfactory proof.

Every information and assistance will be given to assurers, either at the Offices, 7, WATERLOO-PLACE, LONDON; or by the Society's Agents, established in all principal towns.

Actuary and Secretary—JEREMIAH LODGE, Esq.

## THIRD SEPTENNIAL BONUS.

# CROWN LIFE ASSURANCE COMPANY,

33, NEW BRIDGE STREET, BLACKFRIARS, LONDON.

## DIRECTORS.

George H. Hooper, Esq., Chairman.  
Sir John Kirkland, Deputy Chairman.  
John Chapman, Esq.  
Charles Chippindale, Esq.  
James Colquhoun, Esq., LL.D.

B. D. Colvin, Esq.  
Rear-Admiral Dundas, C.B., M.P.  
W. H. Goschen, Esq.  
George Hankey, Esq.  
James Mitchell, Esq.

John Nelson, Esq.  
Octavius Ommannery, Esq.  
Alexander Stewart, Esq.  
William Whitmore, Esq.  
William Wilson, Esq.

**Auditors**—J. R. Gardiner, Esq. Park Nelson, Esq. Walker Pitcairn, Esq.

**Physician**—Sir C. F. Forbes, M.D., K.C.H., 23, Argyle-street.

**Surgeon**—John Simon, Esq., F.R.S., 3, Lancaster-place, Strand.

**Standing Counsel**—Charles Ellis, Esq. **Solicitors**—Messrs. Hale, Boys, and Austen.

**Bankers**—Bank of England. **Actuary**—J. M. Rainbow, Esq.

On a THIRD SEPTENNIAL INVESTIGATION into the affairs of this Company, to the 25th MARCH, 1846, a BONUS, amounting on the average to 31 per cent. on the Premiums paid for the preceding Seven Years, was assigned to all Policies of at least Three Years' standing, and effected for the whole duration of life.

To similar Policies the following Bonuses were declared at former Divisions, viz.:—FIRST DIVISION, in 1832, on the average, upwards of 26 per cent. on the Premiums paid. SECOND DIVISION, in 1839, on the average, 33 per cent. on the Premiums paid for the preceding seven years.

The advantages of this Office, among others, are:—1. A participation septennially in two-thirds of the Profits, which may be applied either in reduction of the Premium, or to augment the sum assured. 2. Premiums may be paid in a limited number of annual sums, instead of by annual payments for the whole of life; the Policy continuing to participate in profits after the payment of Interest Premiums has ceased. 3. The Assurance or Premium Fund is not subject to any charge for Interest to Proprietors. 4. Permission to pass to Continental Ports between BRISTOL and the ELBE inclusive. 5. Parties (including Officers of the Army, Navy, East India Company, and Merchant Service) may be assured to reside in or proceed to all parts of the World, at Premiums calculated on real data. 6. Claims to be paid within three months. 7. The Assured may dispose of their Policies to the Company. 8. No charge but for Policy Stamps. The Prospectus, Tables of Rates, &c., to be had at the Office in London, or of the Company's Agents.

T. G. CONYERS, Secretary.



# UNITED KINGDOM LIFE ASSURANCE COMPANY,

Established by  
Act of Parliament  
in 1834.



Established by  
Act of Parliament  
in 1834.

8, WATERLOO PLACE, PALL MALL, LONDON.  
81, GEORGE STREET, EDINBURGH.  
12, SAINT VINCENT PLACE, GLASGOW.  
4, COLLEGE GREEN, DUBLIN.

## HONORARY PRESIDENTS.

Earl of Courtown.	Earl of Stair.	Lord Elphinstone.
Earl Leven and Melville.	Earl Somers.	Lord Belhaven and Stenton.
Earl of Norbury.	Lord Viscount Falkland.	Wm. Campbell, Esq., of Tillichewan.

## TRUSTEES.

Charles Graham, F.S.A., Esq.; Edward Lennox Boyd, F.S.A., Esq.;  
Charles Downes, Esq.; and F. C. Maitland, Esq.

## LONDON BOARD.

Charles Graham, F.S.A., Esq., <i>Chairman.</i>	Charles Downes, Esq., <i>Deputy Chairman.</i>
H. Blair Avarne, Esq.	William Fairlie, Esq.
E. L. Boyd, Esq., F.S.A., <i>Resident.</i>	D. Q. Henriques, Esq.
Charles Berwick Curtis, Esq.	J. G. Henriques, Esq.
	F. Charles Maitland, Esq.
	William Raiton, Esq.
	F. H. Thomson, Esq.
	Thomas Thorby, Esq.

*Auditors*—G. Stephens, Esq.; and M. Wilson Boyd, Esq.

*Secretary*—Patrick Macintyre, Esq. *Actuary*—John King, Esq.

*Bankers*—Bank of England; Messrs. Cocks, Biddulph, and Co., 43, Charing Cross; and Union Bank of London, 4, Pall Mall East.

*Surgeon*—F. Hale Thomson, Esq., 43, Berners-street.

*Solicitors*—Messrs. Tatham, Upton, Johnson, Upton, and Johnson, 29, Austin Friars, City.

**THIS COMPANY**, Established by Act of Parliament in 1834.  
affords the most perfect security in a large paid-up capital, and in the great success which has attended it since its commencement, ITS ANNUAL INCOME BEING UPWARDS of £120,000.

## Second Septennial Division of Profits among the Assured.

In 1841 the Company declared a bonus of £2 per cent. per Annum on the Sum insured, to all Policies of the Participating Class, from the time they were effected to the 31st December, 1840; and from that date to 31st December, 1847, £2½ per cent. per annum was added at the General Meeting on the 6th July, 1848.

The Bonus thus added to Policies from March, 1834, to the 31st December, 1847, is as follows:—

Sum Assured.	Time Assured.	Sum added to Policy in 1841.	Sum added to Policy in 1848.	Sum payable at Death.
£5,000	13 Yrs. 10 Mths.	£638 6 8	£787 10 0	£6,470 16 8
5,000	1 Year.	... ..	112 10 0	5,112 10 0
1,000	12 Years.	100 0 0	157 10 0	1,257 10 0
1,000	7 Years.	... ..	157 10 0	1,157 10 0
1,000	1 Year.	... ..	22 10 0	1,022 10 0
500	12 Years.	50 0 0	78 15 0	628 15 0
500	4 Years.	... ..	45 0 0	545 0 0
500	1 Year.	... ..	11 5 0	511 5 0

The Premiums, nevertheless, are on the most moderate scale, and only one-half need be paid for the first Five Years, when the Insurance is for Life.

Every information will be afforded on application to the Resident Director, at the Office,

8, Waterloo Place, London.



# CITY OF LONDON LIFE ASSURANCE SOCIETY.

for ACCUMULATIVE AND GENERAL ASSURANCES, No. 2, ROYAL EXCHANGE BUILDINGS. Incorporated by Act of Parliament, 7th and 8th Vict., cap. 119.

## DIRECTORS:

Richard Corrie Bache, Esq.  
James R. Bennett, Esq., M.D.  
William Betts, Esq.  
John Blakeway, Esq.  
Charles Collick, Esq.  
George Morley Dowdeswell, Esq.

Frederick A. Durnford, Esq.  
Robert Keate, Esq., Serjeant.  
Surgeon to the Queen.  
Stephen H. Lee, Esq.  
John Powis, Esq.  
Lieut.-Col. Rowland, R.A.

William Simpson, Esq.  
William Thacker, Esq.  
William A. Thomas, Esq.  
Francis Watts, Esq., F.S.A.  
George Watson Wood, Esq.

## AUDITORS:

Hugh J. Cameron, Esq., Royal British Bank. James Jell Chalk, Esq., 80, Warwick-square, Piccadilly.  
H. W. West, Esq., 5, Serjeant's Inn.  
PHYSICIAN—James R. Bennett, Esq., M.D., 15, Finsbury-square.  
SURGEON—G. W. Macmurdo, Esq., F.R.S., 7, New Broad-street.  
PHYSICIAN FOR WEST OF LONDON—R. G. Latham, Esq., M.D., 29, Upper Southwick-street, Hyde Park.  
SURGEON FOR WEST OF LONDON—R. L. Thorn, Esq., 31, Upper Belgrave-place, Belgrave-square.  
STANDING COUNSEL—Edward S. Creasey, Esq., Temple; and Wm. Sparling, Esq., Old Square, Lincoln's Inn.  
ACTUARY—G. J. Farrance, Esq.

This Society embraces every known advantage or convenience offered by any existing Life Office. It combines three distinct yet co-operating systems.

The MUTUAL SYSTEM, securing ALL its advantages without its risks or liabilities of co-partnership, AN IMPORTANT CONSIDERATION TO ASSURERS.

The PROPRIETARY SYSTEM, with the full benefits of its acknowledged SECURITY, SIMPLICITY, and ECONOMY.

The ACCUMULATIVE or DEPOSIT SYSTEM, INTRODUCED BY THIS SOCIETY, which perfects the principle of Life Assurance, the full amount of the Premiums being at all times available to the Assured, a new and valuable extension of the principles of Life Assurance.

Also, HALF-CREDIT PREMIUMS, for stipulated periods, a peculiarly advantageous arrangement for YOUNG LIVES, and for all persons WITH ADVANCING MEANS OR INCOMES; also for assuring the lives of Debtors; also

SELF-PROTECTING POLICIES.

INDISPUTABLE POLICIES.

All further information may be obtained of EDWARD FREDERICK LEES, Secretary, 2, Royal Exchange Buildings.

## UNION ASSURANCE OFFICE. (FIRE, LIFE, ANNUITIES).

CORNHILL & BAKER STREET, LONDON;  
COLLEGE GREEN, DUBLIN; and  
GRONENGER STREET, HAMBURG.

Instituted A.D. 1714.

LIFE—Reduced Rates for Young and Middle Ages, with the Guarantee of a Company in existence for nearly 140 years.

The last BONUS (1848) gave ADDITIONS to Policies varying from 25 to 70 per Cent., on the previous Seven Years' Premiums.

Lower Rates without Profits.

Two-thirds only of the Premium may be paid until death.

Decreasing and increasing Rates of Premium, and half-yearly or quarterly.

Loans granted. Medical Fees allowed.

FIRE INSURANCES at the usual Rates, and PROFITS returned on Policies taken out for Seven Years by prompt payment.

Policies Transferred from other Offices without expense.

November, 1851.

THOMAS LEWIS, Secretary.

## INSURANCE AGAINST RAILWAY ACCIDENTS.

By the RAILWAY PASSENGERS' ASSURANCE COMPANY. Empowered by special Act of Parliament, 12 and 13 Vict., cap. 40. Offices—No. 3, OLD BROAD STREET, LONDON.

CHAIRMAN—J. D. PAUL, Esq., 217, Strand.

DEPUTY-CHAIRMAN—G. B. HARRISON, Esq., 24, Great Tower-street.

TABLE OF PREMIUMS.—For the convenience of frequent or daily travellers, the Company issues Periodical Tickets at the following rates of Premium, which give the holder the option of travelling in any class carriage, and on any railway.

To insure 1000l. at an annual premium of 20s.  
200l. 5s.

Single journey tickets are likewise issued at most railway stations in the kingdom at the following rates of premium:—

3d. to insure 1000l. in a first-class carriage.

2d. to insure 500l. in a second-class carriage.

1d. to insure 200l. in a third-class carriage.

These sums to be paid to the legal representatives of the holder in the event of fatal accident while travelling by railway, with proportionate compensation to himself in cases of personal injury.

3, Old Broad-street, 1851.

ALEXANDER BEATTIE, Secretary.



## NEW PUBLICATIONS.

In 1 vol. post 8vo., 10s. 6d.,

### THE PASSIONS OF ANIMALS.

BY EDWARD P. THOMPSON,

Author of "Note-Book of a Naturalist," &c.

"Worthy any dozen of systematic natural history books we know, for variety, curiosity, intelligence, and amusement."—*Morning Advertiser*.

New Novel by the Author of "The Ogilvies," "Olive,"

### THE HEAD OF THE FAMILY.

In Three Volumes.

24mo. sewed, 2s. 6d.

### ENGLISH SONGS, AND OTHER SMALL POEMS,

BY BARRY CORNWALL.

(A new Edition, with numerous additions.)

LONDON: CHAPMAN and HALL, 193, PICCADILLY.

Just ready, Part I, for 1852,

**R. BAYNES' CATALOGUE OF CHEAP BOOKS,** Ancient and Modern, in Theology and General Literature, many scarce and valuable, on sale, at his Old Store, 23, Paternoster Row, London. May be had gratis; if by post, two stamps required.

Lately Published, Gratis,

**PART VI.** of a CATALOGUE of USEFUL, INTERESTING, and VALUABLE SECOND-HAND BOOKS, at greatly reduced prices, by W. J. CRAWFORD, (Successor to the late J. Dowding,) 82, Newgate-street, London. If required by post, two stamps to be forwarded.

**THE MUSICAL BOUQUET** contains the best printed and most correct music of the day at 3d. each. Recently Published—

The Bloomer Polka and Schottische, 3d.

The Bloomer Valse and Redowa, 3d.

The Bloomer Quadrilles, 3d.

The Kossuth Polka and Schottische, 3d.

The Kossuth March, 3d.

And the Clipper Polka, 3d.

Also the largest collection of the most correct and popular Quadrilles, Overtures, Songs, Waltzes, Polkas, Glees, Duets, Sacred Music, &c., are published in that universally admired Work, the *Musical Bouquet*, which has now a greater sale than all the other cheap musical publications put together.

Office, 192, High Holborn; J. ALLEN, 20, Paternoster Row; and sold by all Booksellers and Music-sellers in town and country.

## HORNE'S

### WEST-END CIRCULATING LIBRARY

AND GENERAL NEWSPAPER OFFICE

19, LEICESTER SQUARE, NEAR BURFORD'S PAORAMA.

### LOWEST TERMS AND BEST SUPPLY OF WORKS IN

LONDON.—Terms of Subscription to HORNE'S WEST-END LIBRARY, per annum:—24 for 12 Volumes in Town, 20 in the Country; £3 for 8 Volumes in Town, 12 in the Country.—FIRST CLASS: Subscribers of £2, 2s. per annum, £1, 5s. per half-year, 16s. per quarter, 7s. 6d. per month, 2s. 6d. per week, are entitled to New Publications, Magazines, Reviews, &c.—SECOND CLASS: 20s. per annum, 16s. per half-year, 6s. 6d. per Quarter, 4s. per month.—New Works on the day of Publication, 1s. per set.—In the above establishment the public may depend on having the perusal of all New Works as soon as they are out. Extra first-rate Classes are formed for Families, Book-societies, Institutions, Clubs, and Libraries, or parties requiring large supplies of first-rate works, on the most advantageous terms. Subscriptions to be paid at the time of subscribing, and a deposit made, if required. Country Subscribers can remit the subscription through the Post-office, and send a list of works they require, which will be punctually attended to. The Library contains the complete works of Scott, James, Bulwer, Dickens, D'Israeli, Lady Blessington, Mrs. Gore, Lever, &c. &c., and above 10,000 vols. of the most popular authors. NEWSPAPER DEPARTMENT:—The Morning and Evening Newspapers are regularly forwarded to all parts of town, as soon as published, or sent by post or rail to any part of the United Kingdom.—Back Newspapers on sale.—Sets or files made complete.—Newspapers lent to Read, from Seven in the Morning until Nine in the Evening.—Advertisement Paragraphs, Notices of Births, Marriages, and Deaths inserted in any of the Newspapers in Town or Country with accuracy and dispatch. Parties advertising may have their communications addressed to this office.—Writing-Papers and Stationery of every description.



# WORKS

IN

## MISCELLANEOUS LITERATURE,

PUBLISHED BY

SIMPKIN, MARSHALL, AND COMPANY,

STATIONERS' HALL COURT, LONDON.

### ART OF DRAWING IN WATER COLOURS.

#### THE CAMERA; or, ART OF DRAWING IN WATER COLOURS.

With Instructions for Sketching from Nature, comprising the whole process of Water-colour Drawing, in Three Plates of Drawing, Shadowing, and Tinting a complete Landscape, in all its progressive stages; and Directions for compounding and using Colours, Sepia, Indian Ink, Bister, &c. By J. Hassell. 2d Edition, 8vo., 5s. cloth lettered.

### CRABB'S ENGLISH SYNONYMES.

#### ENGLISH SYNONYMES EXPLAINED, in Alphabetical Order:

with copious Illustrations and Examples drawn from the best Writers. By George Crabb, A.M. 8th Edition, with an Index to the Words. 8vo., 15s. cloth lettered.

### CROMBIE'S ETYMOLOGY AND SYNTAX.

#### THE ETYMOLOGY and SYNTAX of the ENGLISH LANGUAGE

Explained and Illustrated. By the Rev. Alexander Crombie, LL.D., F.R.S., &c. 5th Edition, 8vo., 7s. 6d. cloth lettered.

### EDGEWORTH'S NOVELS AND TALES.

#### TALES and NOVELS. By Maria Edgeworth. A New Edition, in

9 vols., fcap. 8vo., £2 5s. cloth lettered.

This Edition contains all that was comprised in the last Edition of 18 Volumes, and is embellished with Engravings on Steel, by Goodall, Engleheart, J. W. Cook, Rolls, and other eminent Engravers, from Paintings by Harvey.

#### CONTENTS.

##### Vol.

1. Moral Tales.
2. Popular Tales.
3. Belinda.
4. Castle Rackrent: an Essay on Irish Bulls, an Essay on the noble Science of Self-Justification, Ennui, and The Dun.
5. Tales of Fashionable Life: Manœuvring, Almeria, and Vivian.

##### Vol.

6. The Absentee: a Tale of Fashionable Life, Madame de Fleury, Emilie de Coulanges, and the Modern Griselda.
7. Patronage.
8. Patronage, concluded: Comic Dramas, Leonora, and Letters.
9. Harrington, Thoughts on Bores, and Ormond.

### TAYLOR'S SHORTHAND, BY COOKE.

#### TAYLOR'S SYSTEM OF STENOGRAPHY, or SHORT-HAND WRITING. A New Edition, with additional Notes, and New Tables. Revised and improved after considerable practice, by John Henry Cooke. Fcap., 3s. cloth lettered; or 3s. 6d. roan lettered.



**GALIGNANI'S NEW PARIS GUIDE.**

**GALIGNANI'S NEW PARIS GUIDE**; containing an Accurate Statistical and Historical Description of all the Institutions, Public Edifices, Curiosities, &c. of the Capital; an Abstract of the Laws affecting Foreigners; highly useful Comparative Tables of French and English Weights and Measures, Money, Thermometrical Scales, &c.; a Table of French and English Customs' Duties; with Information for Travellers, and a Directory of Parisian Bankers, Tradesmen, &c. To which is added a Description of the Environs. The whole compiled from the best Authorities, carefully Verified by Personal Inspection, and arranged on an entirely new plan. 18mo., 7s. 6d. roan lettered; or with Plates, 10s. 6d. roan lettered.

**MAYER'S SPORTSMAN'S DIRECTORY.**

**THE SPORTSMAN'S DIRECTORY**; or, **PARK AND GAME-KEEPER'S COMPANION**. Containing Instructions for Breeding, Feeding, and Breaking Dogs; Hunting, Coursing, and Shooting; Fishing; Preserving Game and Decoys; Breeding Pheasants, Partridges, Pigeons, and Rabbits; Description of all kinds of Poaching; how to Detect Poachers' Works; Directions for Destroying Vermin, &c. With an Appendix: containing valuable Receipts and Abstracts of the Game Laws. By John Mayer, Gamekeeper. 7th Edition; comprising the most recent Changes in the Theory and Practice of Sporting. Fcap., 5s. cloth lettered.

**MILLAR ON LIFE AND FIRE ASSURANCE.**

**A PRACTICAL INTRODUCTION TO LIFE AND FIRE ASSURANCE**; showing the method of calculating the value of Annuities, Reversions, Assurances, Policies, Bonuses, &c. with numerous useful Tables; together with a comprehensive digest of the distinctive features of the Assurance Offices, and also a description of Fire Risks, with Rates of Premium demanded. By Thomas H. Millar, Accountant, Edinburgh. 8vo., 12s. cloth lettered.

**THE EXHIBITORS' ALMANAC**

For 1852.

**THE EXHIBITORS' ALMANAC** for 1852, being Bissextile or Leap Year; Containing the Calendar; Moon's Changes; and Eclipses; an ALPHABETICAL LIST OF ALL THE PRIZEHOLDERS OF THE GREAT EXHIBITION, giving their Names and Localities, a Description of the Articles for which Prizes were Awarded, and the Classes in which they were Exhibited; the whole forming a Complete and Perfect Record of the Crystal Palace. Together with a mass of Useful Information, and the ordinary contents of an Almanac. PRICE SIXPENCE.

**EVENINGS AT HOME**. By Aiken and Barbauld. With Additional Pieces and Engravings. Fcap. 5s. cloth lettered.

**STORIES OF OLD DANIEL**. With Frontispiece and Vignette. Fcap. 4s. 6d. cloth lettered.

**SCIENTIFIC DIALOGUES**. By the Rev. J. Joyce. Corrected by Dr. Gregory With Additions by Charles V. Walker, Esq. With Cuts. *The only Complete Edition*. Fcap. 6s. cloth lettered. Companion to the above; containing Questions and Exercises. Fcap. 2s. 6d. cloth lettered.

**THE JUVENILE TRAVELLERS**; or, a Tour through Europe. By Priscilla Wakefield. New Edition, with Additions, and a new Frontispiece. 12mo. 6s. cloth lettered. Also, by the same,

**THE SWISS FAMILY ROBINSON**. With Woodcuts and a Map. New Edition. 2 vols. 12mo. 5s. each, cloth lettered.

**THE HISTORY OF SANDFORD AND MERTON**. By T. Day, Esq. With Cuts, from Harvey. 12mo. 5s. cloth lettered.

**THE WINE AND SPIRIT MERCHANT'S COMPANION**, and Complete Instructor to the Wholesale and Retail Trade; containing several Hundred valuable Receipts, from Practical Experience. To which are added, an Essay on Distillation, and Tables of the Weights of Spirits. By Joseph Hartley. Second Edition. 12mo. 5s. cloth lettered.





# THE PRIZE MEDAL, WITH "HONOURABLE MENTION,"

HAS BEEN AWARDED FOR THE

## GLENFIELD PATENT STARCH,

BY THE JURORS OF THE EXHIBITION OF ALL NATIONS.

Being thus doubly noticed for its "General Superiority," (a Mark of Distinction conferred on no other) by the Royal Commissioners and Jury, from amongst thirty or forty exhibitors, sets it far above every other of its Competitors.

See pages 57 and 63 CLASS III, JURY IV., of "Lists of Awards," printed by authority of the Royal Commissioners.

The Ladies are therefore respectfully requested to make a trial of the GLENFIELD PATENT DOUBLE-REFINED POWDER STARCH, which, for Domestic Use, now stands unrivalled,

AND IS NOW USED IN THE ROYAL LAUNDRY.

See Testimonials from the Laundress to Her Majesty; the Lady Mayoress of London; Laundresses of the Countess of Eglington; Marchioness of Breadalbane, &c.

Sold Wholesale, in London, by Messrs. Pantin and Turner; Hooper, Brothers; Batty and Feast; Sterry, Sterry, and Co.; John Hynam; Croft and Innocent; Petty, Wood, and Co.; Twelvemrees, Brothers; C. B. Williams and Co.; R. Letchford and Co.; John Yates and Co.; Thos. Snelling; John Brewer; Field, Roberts and Barber; A. Braden and Co.; Yates, Walton, and Turner; William Clayton and Co.; and R. Wakefield, 35, Crown Street: and Retail, by all Shopkeepers.

Agents wanted; apply to Mr. R. WOTHERSPOON, 40, Dunlop-street, Glasgow.

## PRIZE MEDAL FOR SNOWDEN'S PATENT PURIFIED COFFEE NIBS, FOR INVALIDS, (See JURY III.)

CITY-ROAD AND EAST-ROAD, LONDON.

"In consequence of the many spurious admixtures packed in canisters, under the name of Patent Coffee, the Medical Profession of London think it just to caution the public against them, and recommend all persons whose object is to obtain genuine Coffee, to buy Snowden and Co's. Patent Purified Coffee-Nibs, for invalids, and grind it themselves. They may then depend on obtaining not only a genuine article, but purified from all irritating fibre, which renders Coffee objectionable to many who otherwise would enjoy that luxurious beverage."—See Testimonial of Dr. Ure, Professor of Chemistry, Bloomsbury-square, London.

Sold in  $\frac{1}{2}$ lb. and 1lb. Canisters, at 1s. 8d. and 2s. per lb., at the Patentee's, as above, and of most respectable Tea-dealers and Druggists in the United Kingdom. For agencies and terms, address Snowden and Co., London.

## EXHIBITION PRIZE.

**CHARLES MAC DOWALL**, Patentee, 4, Hyde-street, Bloomsbury, for which a Prize Medal was awarded in Class X., for his SINGLE PIN ESCAPEMENT, giving an advantage over other designs of simplicity, accuracy, and durability.

On view at his Establishment as above.

## GREAT EXHIBITION.

**PRIZE MEDAL** awarded to David Birrell, Manufacturer, Dunfermline, (Warehouse, 261, Oxford-street,) for Damask Table Cloths and Napkins.

David Birrell has much satisfaction in informing those friends who have kindly favoured him with their support, and the Nobility and Gentry, and the Public generally, that among many competitors his Table Damasks have been found worthy of a Prize Medal at the Great Exhibition. He sincerely trusts that this evidence of the superiority of his manufacture will be a sufficient assurance of his ability to supply goods of the best quality, while he pledges himself that his prices will be on the same moderate principle as heretofore. The Prize goods referred to will be manufactured either wholesale or retail to order, upon the shortest notice, and with such alteration in design as may be wished. With much confidence, D. B. invites inspection to a choice stock of the celebrated 1-8 and 4-4 Crown Linens, all manufactured from the very best yarns, and which he can strongly recommend. Also Blankets, Flannels, Sheetings, Towelings, &c., of which he has at present a very large and select stock. Carriage paid of all orders from the country (where there is a railway station), and where the order amounts to £5 and upwards.

**FROM** the Right Rev. the Lord Bishop of London:—"Mr. Rendall has effectually cured some Corns on my feet without giving any pain.—C. J. LONDON, June 6, 1849."—From the Right Hon. Lord Adolphus Fitzclarence:—"Mr. Rendall has extracted three Corns from my feet with great dexterity.—A. FITZCLARENCE."—CORNs, Bunions, and Defective Toe Nails EXTRACTED and CURED in one minute, without cutting or pain, by Mr. RENDALL.

Consulted daily at 85, Regent-street, where testimonials may be inspected from London and all parts of England. Terms from 2s. 6d. to 5s.

Caution:—Mr. R. has no other residence but his own house, 85, Regent-street.



No. 1, Coleman Street, City.

## WADDINGTON AND SON,

WHOLESALE MANUFACTURERS OF ALL DESCRIPTIONS OF

### UMBRELLAS AND PARASOLS,

For home and foreign consumption, and Sole Makers of the

#### **Etui-Bis-Utile**

(Registered by them), being a Reticule, Crochet, and Parasol Case combined; and also of

#### **Pittar's Patent Pocket Umbrella,**

Folding so as to be conveniently carried in a Lady or Gentleman's Pocket; and Licensed Makers of

#### **Holland's Patent Perlevis Umbrella,**

Peculiar for its extreme lightness: and Patent ALPACA do., an economical substitute for the silk covering.

---

A. L. KIRKMAN,

154, STRAND,

WATCHMAKER, JEWELLER, AND OPTICIAN.

---

Silver Watches, from £2 10s:

Gold Watches, from £4 4s., of the Horizontal construction, Jewelled in Four Holes.

English Lever Watches, Jewelled, Silver, £4 4s.; Gold, £10 10s.

$\frac{3}{4}$  Plate Compensation Balance, £16 16s.

Fine Gold Guard Chains, from £1 10s.; ditto, Albert, from £1 5s.

Opticals: Steel Spectacles, with case, from 2s. 6d.

Best Pebbles, 8s. 9d. Single Tortoise-shell Eye Glasses, 2s.

Tortoise-shell Double Eye Glasses, 4s. & 4s. 6d. Patent Spring Tortoise-shell, 6s. 6d. & 7s. 6d.

Opera and Race-course Glasses, from £1 1s.

---

### CABINET & MOSAIC WORK, IN WOOD, METAL, & IVORY.

J. MORGENSTERN,

IN tendering his grateful thanks for the patronage he has received during the past year, begs to intimate that he is now enabled to introduce the latest improvements in

#### CABINET MAKING,

And combine the greatest economy with elegance of workmanship. In all articles of

Inlaid or Mosaic Work (Marqueterie),

He will furnish Original Designs, or accurately follow such Drawings or Historical Paintings as may be desired, and execute all work of this description in

#### COLOURED WOODS, METALS, OR IVORY.

By the application of recent inventions in the manufacture generally, and by his own superior method of Seasoning and preparing Wood for all Colours, he hopes to ensure the confidence of the public, and to merit the recommendations of his kind Patrons.

J. M. begs likewise to direct attention to his new and unique system of

#### Renovating Old Piano-fortes,

For which he obtained a Patent in 1846, from the Austrian Government, and which produces a pure Metallic sound, in such Instruments as have become useless from some imperfection in their structure or any other cause.

In all his transactions, J. M. will have the strictest regard for the interest of his employers.

WORKS—5, RATHBONE-PLACE,

OXFORD STREET:



## THE GREATEST PLAGUE OF LIFE.

**I**F you suffer inconvenience from **SMOKY CHIMNEYS** you can have an instant and effectual remedy, by applying by letter to A. Z., 190, High Holborn.

**W. WOLTER, CORK CUTTER,**

**R**ESPECTFULLY informs his friends, the public, and the trade in general, that in consequence of the Fire at his late establishment, he has removed to more convenient and extensive Premises at No. 54, DRURY LANE, where he continues to carry on the business of a CORK-CUTTER, on terms more liberal than any other house in the trade.

N.B.—Brewers, Distillers, Licensed Victuallers, Chemists and Druggists, and other branches of trade requiring the articles for the manufacture of which he has enjoyed such distinguished patronage, and given such universal satisfaction, for so many years, will find their advantage in favouring W. Wolter with their orders.

No. 54, DRURY LANE.

## TO THOSE WHO STUDY ELEGANCE AND ECONOMY.

**T**IDBURY'S HATS will be found the cheapest and best, he having all Hats manufactured under his own inspection. They are warranted to stand all weathers, and are offered at a great reduction in price to insure small profits and quick returns.

TIDBURY, 73, Long Acre, and 38, South Street, Manchester Square.

## STAYS SUPERSEDED.

**M**ARTIN'S ELASTIC BODICE, an efficient substitute for STAYS, is without whalebone or lacing, with simple fastening in front, and will wash. Ladies of rank and fashion and the faculty recommend it. Is especially valuable in warm climates, and for invalids, vocalists, and others requiring perfect freedom with adequate support. A prospectus on receipt of a stamp.—E. and E. H. Martin, Surgical Bandage Makers, 504, Oxford-street, near Holborn.

## SMITH'S PATENT ADHESIVE ENVELOPES, AND PATENT TRACING CLOTH.

**A**S Exhibited in the Crystal Palace, may now be seen at the Manufactory. Adhesive Envelopes with device, 4d. per 100; ditto, Cream-laid, with Initials, 6d. ditto; 8vo. Cream-laid Note Paper, 9d. for 5 quires; 8vo. Cream-laid Black Bordered, 1s. 6d. for 5 quires. Stationery of every description at equally low prices.

MANUFACTORY, 42, RATHBONE PLACE, LONDON.

## BRASS AND ZINC PLATES.

122, DRURY-LANE, ESTABLISHED 18 YEARS.

**H.** FLINT, ENGRAVER, &c., begs to call the attention of the Public to his improved and durable ZINC PLATES for Shop Fronts and Public Offices, at less than half the expense of Brass. A 5 inch Zinc Plate, with Name engraved, and wood-work to fit windows, at 4s. 6d. per foot. Door Plate, 12 inches by 6, with Name, 5s.; if 2 lines, 7s. A pair of Plates, 16 inches by 8, one line on each, 17s. 6d. Trade Cards, Bill-heads, Labels, and Bottle-seals, equally cheap. Plates repaired and altered.

N.B.—122, Drury-lane, opposite Drury-lane Theatre.

## BALANCE IVORY TABLE KNIVES.

**J.** DOBBY, of 95, Strand—Manufactory, 16, Wych-street—has been a maker of knives on his premises these last 20 years, and will sell no other than will give satisfaction. J. D. calls the particular attention of Tavern keepers, as, he making them, can stamp the purchaser's name on the blades, instead of his own. Here you can select from as large a stock as any in London, at the following prices:—Large Balance Ivory, per doz. 12s.; small ditto, 9s.; large, 16s.; small, 12s. All sorts of other Table Knives commencing at 4s. per doz.

A Pen-knife is here to be seen with 400 blades in it.

**P**ATENT RICE STARCH, manufactured under the PATENT of WM. THOS. BERGER, granted 1850. Messrs. SAMUEL BERGER and Co. beg to draw attention to the above article, as being very superior in all the essential requisites, viz., Purity, Strength, Colour, and Transparency, and being perfectly soluble without boiling.

May be had of all Grocers and Oilmen throughout the kingdom, and at the Works, Bromley-by-Bow, London.



## PATENT STEREOTYPING PROCESS.



**B. MANNING,**

SOLE PATENTEE OF THE NEW PATENT PROCESS OF  
**STEREOTYPING,**

No. 9, WARWICK SQUARE, NEWGATE STREET.

**BY** this Process, the use of Plaster is superseded; and the formes of type can be immediately distributed, without the tediousness and labour necessary to cleanse the forme, as heretofore. Independently of this, the type is saved from the use of the bodkin, and many other considerations, which the trade will understand and appreciate.

Gentlemen of the Printing profession who have not yet availed themselves of this Process, would do well to give it a trial. The immense advantages of this over the old method of Stereotyping, has been fully tested and approved by nearly all the leading Printing Offices in London.

**HENRY WATTS,**

(LATE ULLMER & WATTS,)

DEALER IN NEW AND SECOND-HAND

Copperplate and Lithographic Presses,

BOOKBINDERS' TOOLS, ORNAMENTS, AND MATERIALS,

76, LITTLE BRITAIN, LONDON.

VALUATIONS MADE IN TOWN AND COUNTRY.

Offices completely Furnished.

**HYDE AND COMPANY,**

**SEALING WAX MAKERS**

*To the Queen*



*And the Government.*

**THE EXHIBITION PRIZE MEDAL,**

AWARDED to

**THE BANK OF ENGLAND SEALING WAX,** which is the finest it is possible to make. To prevent imposition, each Stick is stamped "BANK OF ENGLAND WAX; HYDE, LONDON."

**Hyde's India Wax,**

(As supplied to Her Majesty's Colonies), possessing peculiar properties, affords the only security for correspondence to or from Hot Climates.

**Hyde's Manifold Letter Writer,**

(Used in Her Majesty's Colonial Office), is simple, portable and effective. Large Letter size, 12s. 6d. and upwards.

Manufactory—61, FLEET STREET, LONDON; and sold by all Country Stationers.



**RICHARD READ,**  
**Instrument Maker (by Special Appointment) to Her Majesty,**  
**35, REGENT CIRCUS, PICCADILLY, LONDON.**

Inventor and Patentee of the following Instruments:—

**STOMACH PUMPS AND INJECTING MACHINES**

DOUBLE-ACTION APERITIVE FOUNTAINS, &c.

**GARDEN ENGINES, MACHINES, AND SYRINGES, OF EVERY DESCRIPTION;**

*Injecting Instruments for Horses, Cattle, &c.;*

**PROBANGS, for Relieving Hoven or Choked Bullocks, Calves, Sheep, &c., &c.**

Manufactured (only) by the Patentee,

**35, REGENT CIRCUS, PICCADILLY, LONDON.**

---

**BECKWITH AND SON,**  
**GUN MAKERS TO THE HON. EAST INDIA COMPANY,**  
**58, SKINNER-STREET, SNOW-HILL, LONDON.**

**B**ECKWITH and SON, Manufacture for Sportsmen double and single Guns, at the lowest price that will insure the assistance of the best mechanics in the Gun trade; which Guns, for workmanship and shooting, cannot be surpassed. Also double and single Rifles made to shoot with the greatest accuracy.

B. and Son make Guns, marked No. 2, which will be found on trial much better and cheaper than most second-hand Guns, and prevent the loss now so often sustained in the purchase of what are called second-hand Guns, but which are really very common ones, with London makers' names forged upon them.

Also Guns marked No. 3, perfectly safe, and made to shoot well; suitable for the Colonies. Bullet-moulds made to cast the new Rifle-ball, lately adopted by her Majesty's Board of Ordnance.

---

**D. BRUCCIANI, Formatore to the Government Schools of Design,**  
5, Little Russell-street, Covent Garden, and at the Bazaar, Baker-street, Portman-square.  
The largest Collection in Europe, of **ANTIQUE STATUES and ARCHITECTURAL ORNAMENTS.**  
A great variety of **HANDS and FEET**, from the Antique and Nature, and a set of **GEOMETRICAL SOLIDS**, suitable for Artists and Schools.

All kinds of Figures for Gas-light and Ornament.  
Figures, Vases, and Columns in Composition, for Gardens, &c. Figures Repaired, Bronzed, and Painted. Masks taken from the Living or Deceased.

**COUNTRY ORDERS EXECUTED.**

---

**CHINA AND GLASS, VERY BEST QUALITY, AND LOWEST PRICES.**

**MILLIDGE AND PUTNAM,**  
**65, STRAND, LONDON,**

**B**EG to inform their Patrons, Friends, and the Public, that their Stock is well selected, and comprises Dining, Breakfast, Dessert, and Tea Services. Ornamental China in every variety, of most modern patterns and chaste designs. Glass of the most brilliant metal, and in every fashionable shape.

Semi-porcelain Tasteless Spoons for Invalids.

N.B.—Their new shaped Decanters at 15s. 6d. per pair, quarts; and 10s. 6d., pints, are of most beautiful metal, and brilliantly cut.

---

**W. WOLTER, BOOKBINDER,**

**R**ESPECTFULLY informs his friends, the public, and the trade in general, that in consequence of the Fire at his late establishment, he has removed to more convenient and extensive Premises at No. 54, DRURY LANE, where he continues to carry on the business of a BOOKBINDER in all its various branches, in the same superior style, and on the same moderate terms, which have gained him the confidence and support so liberally bestowed upon him for so many years.

N.B.—Blocking, Rolling, and Gilding for the Trade.

---

**SCHOOL SLATES.**  
**DUTTON AND CO., RUNCORN, CHESHIRE,**  
**MANUFACTURERS OF SCHOOL SLATES**  
**For Home Use and Exportation.**



GLASS



SHADES.

**L**ISTS of the reduced Prices of GLASS SHADES, and Estimates for every description of Horticultural and Window Glass now manufactured, will be sent free, on application to

**JAMES HETLEY & Co.,**

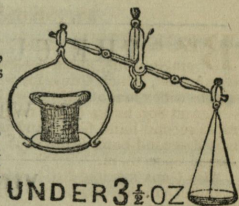
35, SOHO SQUARE (their only Establishment in), LONDON.

### EXTRAORDINARILY LIGHT HATS.

**G**EORGE ARNOLD (late Perrin), 57, CHEAPSIDE, near Bow Church, confidently recommends his unusually

LIGHT VENTILATING PARIS HATS,

Weight from 3½ ounces, Price 12s. FOR CASH. Superfine Beaver, nearly equally light. Paris Hats, 6s. 6d. and upwards. Gossamer, 4s. 9d. The above are especially valuable to all SUFFERERS FROM HEAD-ACHE. N.B.—Livery Hats, 8s. 6d.; with Gold Bands included, 13s. 6d.



UNDER 3½ OZ

**CUNDY'S  
PRIZE**



**PATENT  
STOVE.**

**W**HODGES, 123, OXFORD STREET (late J. E. Dowson), is the sole manufacturer of CUNDY'S PATENT OPEN FIRE-PLACE PURE WARM AIR VENTILATING STOVE, which has been so long tested and approved by the public, and for which he received the large Silver Medal from the Society of Arts; it is admirably adapted for Warming and Ventilating Churches, School-Rooms, and other Public Places, Halls, Dining-Rooms, &c., &c. Also CUNDY'S PATENT DIKO-CAPUON or SMOKE-EPELLING REGISTER GRATE, a perfect cure for Smoky Chimneys, together with a large Assortment of Marble Chimney Pieces, Drawing-room and other Grates, Fenders, Fire-irons, and Kitchen Ranges of the most improved principle, Wind Guards, &c.

GLASS

FOR THE

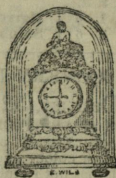
CLOCKS, VASES,

And all Articles injured by exposure,

TABLE GLASS AND

OF EVERY

Fancy Bohemian Glass, and



SHADES,

PRESERVATION OF

WAX FLOWERS,

at very reduced prices.

LAMP SHADES,

DESCRIPTION.

Parian Chinain great variety



Estimates and Prices for every description of GLASS for GLAZING, on application to

**HENRY HETLEY,**

GLASS WAREHOUSE, 13, WIGMORE STREET, CAVENDISH SQUARE (from Soho-square).

### EDUCATION BY THE SEA.

**T**HE Comforts of a happy Home, in a very Healthy watering-place, combined with a complete Course of Instruction in all the branches of a liberal Education, imparted by the Best Masters, may be enjoyed by Young Gentlemen, on moderate terms, at the Rev. J. HOPKINS' ESTABLISHMENT, Wellington House, Weston-Super-Mare, Somerset.—An Articled Pupil is desired.



W. ALLBON,  
**SNUFF MANUFACTURER, & IMPORTER OF HAVANNAH CIGARS,**  
 525, NEW OXFORD STREET,  
*(Corner of Bloomsbury Street, London),*

**T**AKES this opportunity to inform his friends and the public generally that at his Establishment they will always find an extensive Stock of MEERSCHAUM PIPES, varying in price from 1s. to £50; SNUFF BOXES, and every description of Smoking Apparatus in the same variety. His Cigars and Tobaccos are of the highest qualities. The orders of country friends will meet with prompt attention, and Metropolitans may judge for themselves by a passing visit to  
 525, NEW OXFORD STREET.

N. B.—W. Allbon's Cigar Cabinet, price from £1 to £100, is worthy the notice of smokers; and the articles (selected from the Great Exhibition, consisting of the finest Meerschaum Bowls, Pipe Tubes, &c., &c.) must command the attention of connoisseurs.

W. B. AYSHFORD,  
**COACH AND CART WHEELWRIGHT,**  
 56, DRURY LANE, LONDON.  
 SMITHS' WORK IN GENERAL.

**THE GUTTA PERCHA COMPANY,**  
*Patentees,*  
 18, WHARF ROAD, CITY ROAD,  
 LONDON.

**VINAIGRE DE BORDEAUX.**

DEAR SIRS,

College of Chemistry, Liverpool, Tuesday, 14th October, 1851.

**T**HE CASK OF FRENCH WINE VINEGAR came safely to hand. I have submitted it to analysis, and find it to be perfectly pure, i.e., it only contains those matters which are in all fermented grape juice. It is very much liked in my house, being a most agreeable acid.

The reason of my sending to you for Vinegar was on account of the dreadful mixtures sold here under that name; some of the samples I examined contained sugar, oil of vitriol, and arsenic.

Yours truly,

SHERIDAN MUSPRATT, F.R.S.E., Dr. Phil., &c., &c.

To Messrs. W. and S. KENT and SONS, Upton-upon-Severn.

**N.B.—STORES IN LONDON, LIVERPOOL, AND HULL.**

**B**ATH ESTABLISHMENT, 3, New Basinghall Street, Guildhall. These Bath Rooms having been completely refitted, the Proprietor begs to solicit attention to WHITLAW'S CELEBRATED MEDICATED VAPOUR BATHS, renowned for the speedy and effectual cure of every description of Rheumatic disease: they are always ready at 2s. 6d. each. No fees to servants.

	s.	d.		s.	d.
Warm .. .. .	1	0	Harrowgate or Bran .. .. .	2	6
Shampooing .. .. .	3	6	Sulphur .. .. .	3	0

**A NEW DISCOVERY IN TEETH.**

**M**R. HOWARD, Surgeon-Dentist, 52, Fleet-street, has introduced an ENTIRELY NEW DESCRIPTION of ARTIFICIAL TEETH, fixed without springs, wires, or ligatures. They so closely resemble the natural teeth, as not to be distinguished from the original by the closest observer; they will never change colour or decay, and will be found very superior to any teeth ever before used. This method does not require the extraction of roots, or any painful operation, and supports and preserves teeth that are loose, and is guaranteed to restore articulation and mastication; and that Mr. Howard's improvement may be within reach of the most economical, he has fixed his charges at the lowest scale possible. Decayed teeth rendered sound and useful in mastication.—52, FLEET STREET. At home from ten till five.

**EDUCATION.**

**C**HILTERN HOUSE ACADEMY, Wendover, Bucks; terms, twenty guineas per annum.—At the above old-established School YOUNG GENTLEMEN are liberally BOARDED and INSTRUCTED, by Mr. C. H. FULLER, in all the essentials of a sound, classical, and commercial Education. It is healthfully situate in the immediate vicinity of the famous Chiltern Hills, and a Coach leaves the Old Bell, Holborn, daily at three o'clock, for Wendover. Circulars may be obtained by application to Mr. A. D. Toovey, stationer, 76, Aldermanbury.



**PAPIER MACHE AND JAPAN**

**ROYAL JENNENS AND BETTRIDGE, WORKS**

Manufacturers, by Distinct Appointments,  
TO THE QUEEN, H.R.H. PRINCE ALBERT, AND THE  
ROYAL FAMILY,

6, *Halkin Street West, Belgrave Square, London,*

(Within Five Minutes' Walk of the Great Exhibition,)

AND 99, CONSTITUTION HILL, BIRMINGHAM.

N.B.—JENNENS & BETTRIDGE'S Show Rooms (which are open to the inspection of Visitors) contain an immense variety of Papier Mâché Furniture, Tea Trays, Ink Stands, Writing Desks, &c.

**HENDRIE'S PERFUMERY;**

**PATRONIZED** by the HIGHEST CIRCLES for EIGHTY YEARS,  
continues to be favoured by a decided preference; every article being warranted of the first quality.

**TOILET SOAPS,**

The improved OLD BROWN WINDSOR, PETROLEUM, BENZO-AMYGDALINE, and a variety of highly-perfumed Soaps in tablets.

**HENDRIE'S ESPRIT DE VIOLETTE,**

The ROYAL BOUQUETS, VICTORIA, ALBERT, OSBORNE, the JOCKEY CLUB, WELLINGTON, GERANIUM, and several new and admired Extraits d'Odeurs.

**HENDRIE'S CELEBRATED MOELLINE,**

For the embellishment and improvement of the HAIR, and the Germinative Liquid for promoting a new growth.

**PRESERVATIVE TOOTH POWDER.**

An effectual preparation for beautifying the TEETH, and preserving them in a sound and healthy condition.

WARREN & ROSSER'S MILK OF ROSES, the best and most innocent cosmetic for the SKIN.

NOW PREPARED (ONLY) BY

R. HENDRIE, PERFUMER TO HER MAJESTY,  
12 and 13, TICHBORNE STREET, LONDON.

**PIANO-FORTES FROM 25 GUINEAS,**

Combining Elegance, Utility, and Economy.

**TOWNS & PACKER, 20, OXFORD-STREET, Manufacturers of the**  
**PATENT ROYAL VICTORIA SEMI-GRAND TRANSPOSING PIANO-FORTE,**

*Specially recommended by the Grand Jurors at the Crystal Palace.*

N.B.—In consequence of the Dissolution of Partnership, a large stock of elegantly manufactured Instruments will now be disposed of at reduced prices. All the Wood used in the manufacture of these Instruments has undergone the Patent Dedicating Process, to which, as well as to first-rate workmanship, may be attributed their great reputation for standing so well in tune.

*Established 1828.*

**Outfits to India and the Colonies.**

**SMITH AND ASHBY**

**INVITE** the attention of parties proceeding abroad in any capacity, to their system of OUTFITTING, by which Ladies or Gentlemen may be expeditiously equipped with such Articles as they need, of superior material and make, at most reasonable prices. All trouble avoided by the Outfit being Washed, Marked, and properly Shipped.

Every information forwarded upon application to

42, 43, AND 44, GREAT CORAM STREET,  
BRUNSWICK SQUARE,

Shirts made to Measure of a new Shape, warranted to Fit well.

**BEDSTEADS AND BEDDING.**

**A CHEAP** and SERVICEABLE assortment of BEDSTEADS and BEDDING, of every description will be found at W. BUTLER'S, 481, NEW OXFORD STREET.

**French and German Spring Mattresses**

On the most improved principles.

The whole of the articles manufactured on the premises, and warranted to be of the best materials and superior workmanship. Iron Bedsteads in great variety.



## Equitable Funeral Company,

No. 150, BLACKFRIARS-ROAD, OPPOSITE THE MAGDALEN,

Established in Union-street, A.D. 1623. Distinguishedly Patronized.

**T**HE regulations will be found to comprise every advantage, comprehensively combining respectability and decorum, with strict economy in funerals at stated prices.

JAMES J. IRON SYER, Manager.

Prospectuses containing detailed charges, the most reasonable offered to the public, may be had on application.

### BLACK! BLACK!! BLACK!!!

**SAMUEL OSMOND and CO.,** Dyers, 8, Ivy-lane, Newgate-street, London, inform the Public they have made arrangements for Dying Black for Mourning, every Wednesday, returning the same in a few days, when required. French Merino and Cachmere Dresses Dyed Colours that look equal to new. Bed Furniture and Drawing-room Suites Cleaned or Dyed and finished.

Shawls, Dresses, and Cloaks of every description Cleaned, and the Colours preserved.

ESTABLISHED ABOVE A CENTURY.

### J. WEATHERALL,

CARPENTER, JOINER, BUILDER, AND UNDERTAKER.

**T**AKES the occasion of the Advent of the New Year, to inform his Patrons, Friends, and the Public, that he continues in his old-established business, to fit up Shops and Shop Fronts, Lawyers' Offices, and Merchants' Counting-houses, on the same moderate terms as heretofore.

Estimates given for general repairs.

Packing Cases, of any dimensions, on the shortest notice.—Funerals attended and carefully performed.

### TIMBER AND DEAL YARD.

ESTABLISHED FORTY YEARS.

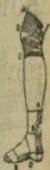
**J. WOODHAM,** Timber Merchant, 243, High Holborn, opposite Day and Martin's. Trade Entrance in Whetstone Park. A large assortment of SAWN and UNSAWN DEALS. Wine Merchants and Plasterers supplied with Laths. Sawing done for the trade.

### TO THE AFFLICTED.

**BAD LEGS** generally require Bandaging. **BAILEY'S ELASTIC ROLLERS** are soft, they increase Circulation, and give great comfort. Sold at 6d. and 7d. per yard. The Calico Roller checks Circulation, and in many cases should not be worn, as it drives the blood to the head. Elastic Knee Caps, to draw on, 6s. 6d. to 10s. 6d.; Socks, 6s. 6d. to 10s. 6d.; Stockings, 10s. to 21s. each. The highest charges are for SILK. Where much support is required, those to lace are best. To lace: Knee Caps, 7s. 6d. to 12s. 6d.; Stockings, 15s. to 18s. each. Address,

**HUNTLY BAILEY, 418, OXFORD STREET, LONDON,** opposite Hanway-street.

Established 20 Years. Copy the Address.



### MEDICINE, SURGERY, &c.

**RUPTURES.**—**Mr. WHITE** invites the attention of those affected with HERNIA to an improvement in the MOC-MAIN PATENT LEVER TRUSS. This Truss is extremely simple; it consists of a small, light, and elastic pad, to which is attached a lever, and a soft bandage to circumscribe the body: the whole fitting so closely as to escape observation. It is easily adjusted, and may be worn during sleep. Upwards of 200 professional gentlemen in London have testified to its excellence. By sending the circumference of the body two inches below the hips, the Truss, which cannot fail to fit, can be transmitted by post.—A Descriptive Circular may be had.—Manufactory—228, Piccadilly, London.

### Patent Razor Cleaner and Renovator.

**T**HIS clean and useful article should be upon the toilet table of every Gentleman. Sold by all Perfumers, Hairdressers, Patent Medicine Vendors, &c.; and whole-sale by

**M. POUND, 198, OXFORD STREET, LONDON,**

Where, also, is the Depot for

**Pound's Emollient Corn and Bunion Plaster,**  
A remedy of all others the most safe and efficacious.



ST

28-XII-61



